

POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by: SKPVV Hindu High Schools Committee, Estd: 1906
Kothapet, Vijayawada - 520001



Volume - 2 Issue - 1

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

ACADEMIC YEAR 2017-18

NEWSLETTER

E-WAVES

Student Editors:

V Sita Maha Lakshmi (IV ECE)
Sasi Atluri (III ECE)
S L V Keerthana (II ECE)

Chief Editors:

Dr. J. Lakshmi Narayana,
Professor & HOD

Editors:

R. Vijay Shashank, Asst. Prof
D. Suresh Babu, Asst. Prof
K. Sundar Srinivas, Asst. Prof



LEARN * EXPLORE * GAIN KNOWLEDGE

General Secretary's Message

Our college has always been dedicated in its effort in bringing dynamism into lives of every student. The college is committed to foster in its students the pursuit of individual excellence and participation in the full range of academic, spiritual, cultural, social and physical activities to make them evolve as all-rounders. At the outset, I congratulate the ECE Department and specially the Newsletter Committee Members for their efforts in bringing out the news letter. Newsletter is an amalgamation of all the events held in the department and it plays an instrumental role in providing a greater exposure of the achievements accomplished by the students and the faculty. We wish all the very best in your endeavours.



Sri G. Mallaraj

General Secretary

SKPVV Hindu High Schools Committee

Secretary's Message



Heartly congratulations to the ECE Dept's issue of the news letter "E-Waves" for the academic year 2017-18 which focus on Achievements of the Students and Faculty members in Curricular, Co-curricular and Extra-curricular Activities.

S. Sriharadha Krishna Murthy

Sri Sriharadha Krishna Murthy

Treasurer's Message

I am happy to know that the Dept of ECE is publishing its annual newsletter for the academic year 2017-18. I hope that this will serve as a platform to the students and help them in displaying their literary talent and other skills. I congratulate all the members of the ECE Dept for its successful publication.



A handwritten signature in purple ink.

Sri R Venkateswara Rao

Chief Mentor's Message

It gives me immense satisfaction that issue of "E-Waves" is ready for the readers. It is great to find a considerable number of winners and participants in co-curricular and extracurricular activities which certainly prove that our staff and students are adequately equipped and possess necessary skill-sets to bring such laurels to the department and also institution. I congratulate the editorial team for bringing out present issue of newsletter. Wish you good luck!



A handwritten signature in brown ink.

Sri R V Subbarao (Datta) B.E., M.Tech (IIT - Kharagpur),
Chief Mentor, Committee Member

About Department

The Department of Electronics and Communications Engineering envisions the ECE graduate as a competent and ethical professional in the areas of electronics, communications and digital signal processing etc. The electronics and communications engineer uses a creative and systematic approach to the design, implementation and management of various devices and systems of semiconductors, electronic instrumentation control and telecommunications relying on knowledge and skills from the mathematical, physical and social sciences. Moreover the student develops an adequate knowledge of the engineering creative process thus developing an understanding of the interaction of electronic devices and systems with each other.

It may be hard to imagine today, but at the beginning of the 20th century, the Wright Brothers were just getting their “flying machine” off the ground, the telephone was still a novelty and the first crude computer was still thirty years from invention. As we begin the 21st century the rapid transmission of data has become indispensable to many consumers and businesses which consider innovations such as communications satellites, wireless phones and computer networks staples of everyday life.

Department is well established with the laboratories like e- yantra in association with IIT-Bombay, Intel Lab, Electronic & Devices Lab, Digital Logic Design, IC Applications, Communications, Microwave Engineering, Microprocessors & Microcontrollers and Simulation Lab with 35 computers installed with SCI Lab, TINA and Xilinx.

Strength of the department is the committed and experienced faculty:

Professors	- 5
Adjunct Professor	- 1
Associate Professors	- 3
Assistant Professors	- 16
Non - Teaching Staff	- 5

PSCMR CET – VISION

To make a significant contribution to the evolution of a highly advanced technological society with profound human values by nurturing students with unparalleled expertise and a high sense of ethics.

MISSION

To offer a high quality professional education and training blended with a high sense of discipline and ethics to shape the students into people who can play an effective role in the development of a knowledge society and thereby striving to bring the light into the lives around them with human outlook.

DEPARTMENT VISION

To be a leading centre of education and research in Electronics and Communication Engineering, making the students adaptable to changing technological and societal needs in a holistic learning environment.

MISSION

To produce knowledgeable and technologically competent engineers for providing services to the society. To have a collaboration with leading academic, industrial and research organizations for promoting research activities among faculty and students. To create an integrated learning environment for sustained growth in electronics and communication engineering

DEPARTMENT

Our Strength is our faculty



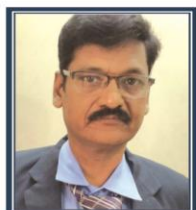
Dr. J. Lakshmi Narayana
Professor & HOD



Dr. B. Vanajakshi
Professor



Dr. M. Ranga Rao
Professor



N.V. Seshagiri Rao
Professor



Y. Kumari
Professor



D. Hari Babu Prasad
Adjunct Professor



G.V. Ramanaiah
Associate Professor



D. Srikanth
Associate Professor



G.M.G Madhuri
Associate Professor



M.L.N. Kalyani
Assistant Professor



S. Pradeep Kumar
Assistant Professor



K. Vijay
Assistant Professor



K. Sundar Srinivas
Assistant Professor



B. Praveen Kitti
Assistant Professor



D. Suresh Babu
Assistant Professor



B. Mohan Swaroop
Assistant Professor



A. Ramesh
Assistant Professor



T. Sireesha
Assistant Professor



Ch. Naga Tilak
Assistant Professor



D. Gowthami
Assistant Professor



T. Durga Prasad
Assistant Professor



N. Mounika
Assistant Professor



R. Vijay Shashank
Assistant Professor



Ch. Amala
Assistant Professor



M. Naga Sabari
Assistant Professor



K. Madhava Rao
Technician



Ch. Aruna Kumari
Technician



A. Navyasree
Technician



M. David Raju
Technician



Ch. Phani Kumar
Technician

STUDENT ACHIEVEMENTS



14KT BATCH – FINAL YEAR

1. U. Bhagyasree (14KT1A04A7), P. Yogyasri (14KT1A0475), P. Surya Teja (14KT1A0477), P. Rajesh (14KT1A0478), Sk. Tasleema (14KT1A0496), Shaheen Sultana (14KT1A0491), M. Krishnaja (14KT1A0469), T. Bhavana (14KT1A04A6), Sk. Shaheena (14KT1A0493), T. Kavitha Sri (14KT1A04A3), P. Kalyani (14KT1A0481), P. Deepthi (14KT1A0480), M. Naveena (14KT1A0464), V. Poorna Sandhya (14KT1A04B2), V. Lydia (14KT1A04B3), A. Yuvarani (14KT1A0405) attended **Internship** on “**Telecommunications In Indian Railways**” **Indian Railways, South Central Zone** from May 24th to June 24th, 2017.
2. U. Bhagyasree (14KT1A04A7), P. Yogyasri (14KT1A0475), Sk. Tasleema (14KT1A0496), Shaheen Sultana (14KT1A0491), M. Krishnaja (14KT1A0469), T. Bhavana (14KT1A04A6), Sk. Shaheena (14KT1A0493), T. Kavitha Sri (14KT1A04A3), P. Kalyani (14KT1A0481), P. Deepthi (14KT1A0480), S. Urekha (14KT1A0489), T. Rohini (14KT1A04A5), Ch. Prasanthi (14KT1A0417), A. Yuvarani (14KT1A0405), V. Sai Durga (14KT1A04B6) attended **Internship** program on “**Communication Navigation And Surveillance**” at **Airports authority of India, Gannavaram** during the period June 26th to 30th of June, 2017.
3. P. Yogyasri (14KT1A0475), M. Krishnaja (14KT1A0469), T. Kavitha Sri (14KT1A04A3), V. Sai Durga (14KT1A04B6), S. Urekha (14KT1A0489) attended **Internship** on “**Telemetry**”, At **Defense Research And Development Laboratory, Hyderabad** from 7th to 18th September 2017.
4. Shaheen Sultana (14KT1A0491), Sk. Tasleema (14KT1A0496), P.S.L. Saranya (15KT5A0417) participated in **Master Orator Championship** held at PSCMR College of Engg and Tech on 23rd July 2017.
5. P. Meghana Devi (14KT1A0482), P. Sravanthi (14KT1A0479), A. Sasi (14KT1A0490), S. Gopi Krishna (14KT1A0486), S. Sai Kiran (14KT1A0499), A. Surya Tejaswi (14KT1A0498) participated in **Internship** at **Electronics Corporation Of India Limited, Hyderabad** from May 23rd to June 22nd, 2017.
6. B. Likhitha (15KT5A0402) attended **Internship** at **Vizag Steel Plant, Visakhapatnam** during the period 19th May to June 7th, 2017.

7. T. Bhavana (14KT1A04A6), M. Naveena (14KT1A0464), V. Poorna Sandhya (14KT1A04B2), V. Lydia (14KT1A04B3), M. Lakshmi Tulasi (14KT1A0468), Sk. Asma (14KT1A0492), A. Yuvarani (14KT1A0405), Ch. Prashanthi (14KT1A0417), P. Meghana Devi (14KT1A0482), P. Sravanthi (14KT1A0479), K. Divya (14KT1A0447), Ch. D.P. Shivani (14KT1A0416), K. Jaya Sravani (14KT1A0444), M. Divyasri (14KT1A0451), M. Bhuvana Jyothi (14KT1A0452), M. Tulasi Durga (14KT1A0454), A. Shanmukhi (14KT1A0402), Aamathul Sayeda (14KT1A0403), B. Sindhu Nanda (14KT1A0408), K. Kalyani (14KT1A0439), B. Usha Sree (15KT5A0403), J. Mohini Durga (15KT5A0409), K. Anitha (15KT5A0410), D. Naga Neelima (14KT1A0424), D. Ptathyusha (15KT5A0406) participated in **7TH National Inter State Athletics Championship, 2017** of Acharya Nagarjuna University.
8. G. Doondi Sai Sankar (14KT1A0430), D. Srikanth (14KT1A0423), M. Sesha Sai (14KT1A0448), Ch. Venkata Sai (14KT1A0419), G.L.V.S. Rajesh (14KT1A0432), M. Rama Krishna (14KT1A0456), A. Anand Sai (14KT1A0407), G. Chaitanya Ram (14KT1A0429), K.H.S. Pavan (14KT1A0436), M. Jhnana Vighnesh (14KT1A0457) attended the **Internship** at **"Telecommunications In Indian Railways"** In Indian Railways, South Central Zone from May 24th to June 24th, 2017.
9. P.Sai Lakshmi Saranya (15KT5A0417) won prize in **Master Orator Championship** held at PSCMR College of Engg and Tech on 23rd July 2017.

15KT BATCH – THIRD YEAR

10. A. Srinivas (15KT1A0406), participated in **Master Orator Championship** held at PSCMR College of Engg and Tech on 23rd July 2017.
11. D. Madhava Rao (15KT1A0428) registered in **Internshala** and successfully completed the task given by **Internshala Forum**.
12. Students of III ECE successfully registered online courses on **National Programme on Technology Enhanced Learning (NPTEL)** and successfully completed the tasks under the guidance of Dr. M. Ranga Rao, Mr. D. Srikanth, Associate Professor, Mr. B. Praveen Kitty, Asst. Professor and Ms. T. Sireesha, Asst. Professor.

16KT BATCH – SECOND YEAR

13. V. Gopi Krishna (16KT1A04B3), V. Venkatesh (16KT1A04B6), V. Rajeswari (16KT1A04B1), V. Naga Lakshmi (16KT1A04B2), M. Sri Lakshmi Charita (16KT1A0469), M. PoornaBhavani (16KT1A0478), M. Harshavardhan (16KT1A0477), M. Aparna (16KT1A0471), T. Raga Phanigna (16KT1A04A9), M. Akhil (16KT1A0472), S. Padmavathi (16KT1A04A0) A. Ramyasree (16KT1A0402), G. Pravallika (16KT1A0438) participated in **Master Orator Championship** held at PSCMR College of Engg & Tech on 23rd July 2017.

FACULTY ACHIEVEMENTS

1. D. Suresh Babu, Assistant Professor got a certificate of appreciation from IIT Bombay for successfully completed the circuit simulation of Single Tuned RF Amplifier under **eSim Circuit Simulation Project-2018**.
2. Dr J. Lakshmi Narayana, Professor and B. Praveen Kitty, Assistant Professor are acted as resource persons for a two day workshop on **“Design of Microwave Antennas for Wireless Communication Applications Hands on Experience with simulation tools”**, from 4th-5th Oct 2017 at VSM Engineering College, Ramachandrapuram.
3. Dr. J. Lakshmi Narayana, Professor attended Workshop on **FDP** for a week at IIT Kharagpur in August 2017.
4. Dr. M. Ranga Rao, Professor was awarded **Doctorate degree** from JNTUK, Kakinada.
5. Dr. M. Ranga Rao, Professor acted as resource person for a two day workshop on **“Ardinuo and Its Applications”** at SVH College of Engineering, Machilipatnam, September 2017.
6. Dr. M. Ranga Rao, Professor acted as a resource person in **International Conference**, at Kolkata in January 2018.
7. Dr. M. Ranga Rao, Professor received **International Armature Radio License from FCC, USA** in February 2018.
8. Dr. M. Ranga Rao, Professor attended **“Applications of microwave energy in food to material processing”** on 4th September 2017.
9. Dr. B. Vanajakshi, Professor and D. Suresh Babu, Assistant Professor acted as judge for **Project Exhibition Polyfest 2017** conducted by AP TECHNICAL education on 8th and 9th September 2017.
10. D. Suresh Babu, Assistant Professor attended **MATLAB Expo 2017** at Hyderabad in April 2017.
11. B. Praveen Kitty, Assistant Professor got **Admission for Ph.D Degree** in KL University.
12. A. Ramesh, Assistant Professor got **Admission for Ph.D Degree** in KL University.
13. G.M.G Madhuri, Associate Professor and B. Praveen Kitty, Assistant Professor and has attended Springer conference held at UPES, Dehradun and presented a paper titled **“Line Based Successive Cancellation Decoder”**.
14. M. N. L Kalyani, Assistant Professor has attended the National Level Workshop on **“Simulation and Emulation of Self Organized Networks (SEASON-2017)”** conducted in association with IIPC from 14th to 16th September 2017 at Kongu Engineering College, Perunduri, Erode, Tamilnadu.
15. N. V. Seshagiri Rao, Professor B. Praveen Kitty, Assistant Professor and M. Durga Rani Assistant Professor has attended one week FDP on **“Advancements in Microwave Antenna Design”** in the month of May 2017.
16. B. Praveen Kitty, Assistant Professor submitted a proposal to AICTE for Seminar Workshop titled **“Trends and Techniques in Antenna Design and Challenges”** in August 2017.
17. K. Sundar Srinivas, Asst. Prof., has participated in two days Faculty Development Workshop conducted on **“Industrial IoT using NI Graphical System Design Platform”** at Andhra Loyola Institute of Engineering and Technology, Vijayawada on 14th and 15th July 2017.

18. M. N. L. Kalyani, Assistant Professor, A. Ramesh, Assistant Professor, and D. Gowthami, Assistant Professor has co-ordinated the workshop on **“Overview on Latest Telecom Technologies”** conducted by BSNL Krishna SSA for three days from 8th to 10th March 2017.
19. G. V. Ramnaiah, Associate Professor attended a two day workshop on **SISSPASPT** held at LBRCE from 31th December 2017 to 1st January 2018.
20. B. Praveen Kitty, Assistant Professor and B. Mohan Swaroop, Assistant Professor attended a three-day Faculty Development Program on **“Advanced Antenna Design and Simulation Using Hfss & CST Tools”** organized by KKR and KSR Institute of Technology and Sciences from 30th December 2017 to 1st January 2018.
21. D. Hari Babu Prasad, Professor delivered lecture on broadband and ISP networking on 14th Dec 2017 as best of **BSNL internship programme** for KCR students of Satyabhama University, Chennai.
22. N. Mounika, Assistant Professor taken a patent with title of invention **“A System and Method for Preventing Fire in Rail Transport”** on 22nd December 2017.
23. D. Srikanth, Associate Professor and N. Mounika, Assistant Professor attended the workshop on **“Long term evolution and advances in mobile communications”** conducted by SRKIT, December 2017 for one week.
24. N. Mounika, Assistant Professor attended conferences at Guru Nanak Institute of Technology and presented two papers which are selected for **Springer** in 21st and 22nd July 2017.
25. N. Mounika, Assistant Professor attended two day workshop at **VVIT on Antennas** in November 2017.
26. B. Mohan Swaroop, Assistant Professor attended 5 day workshop at NIT Warangal **System design using Bio Inspired Algorithms** in October 2017.

Faculty publications

JOURNALS:

1. T. Sireesha, Assistant Professor, M. N. L. Kalyani, Assistant Professor, and D. Gowthami, Assistant Professor, published a paper titled **"Design of an Autonomous Vehicle for Precision Agriculture Using Sensor Technology"** in World Scientific and Engineering Academy and Society (WSEAS) Transactions in Environment and Development, Feb-Mar 2018.
2. Dr. B. Vanajakshi, Professor, D. Gowthami, Assistant Professor and N. Mounika, Assistant Professor, published a paper titled **"Image Based Currency Recognition System"** an Scopus Journal of Pure and Applied Mathematics, July-Aug 2017.
3. T. Sireesha, Assistant Professor, published a research paper titled **"Analysis of Dead Zone Compensation in Digital Closed-Loop IFOG Using Matlab"** in Jour of Advance Research in Dynamical & Control Systems (JARDCS), 11-Special Issue, July 2017.

CONFERENCES:

1. T. Sireesha, Assistant Professor, M. N. L. Kalyani, Assistant Professor and D. Gowthami, Assistant Professor, published a paper titled, **"Design of an Autonomous Vehicle for Precision Agriculture using Sensor Technology"** in World Scientific and Engineering Academy and Society (WSEAS) Transactions in Environment and Development, Vol.14, on 10th Mar 2018.
2. Kakarla. Vijay, Assistant Professor published a paper titled **"Human Brain Controls another Human Peripherals"** 2017 2nd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT) 2nd International conference conducted on 15th January 2018.
3. D. Srikanth, B. Mohan Swaroop, published a paper titled **"Establishing a low bandwidth and low latency transceivers, for low dense applications"** International Journal for modern trends in science and tech, ISSN:2455-3778, Vol.3, Issue:9, September 2017.
4. T. Durga Prasad, Assistant Professor, published a paper titled **"Energy Efficient Code Converters using Modified Positive Feedback Adiabatic Logic"** in International Journal of Innovative Research in Engineering and Applied Sciences (IJIREAS), August 2017.
5. A. Ramesh, Assistant Professor, published a paper titled **"Un-Sharp Masking Based Image Enhancement of Nano Dispersed 10 0.06 Liquid Crystal Compound"** ICIECE -2017 organized by the Guru Nanak Institute of Technology, Ibrahimpatnam, Hyderabad on 21st and 22nd July 2017.
6. Dr. B. Vanajakshi, Professor and N. Mounika, Assistant Professor, published a paper titled **"Prevention Of Fire Accidents In Rail Transport"** is published in Springer Proceedings of ICIECE – 2017 Conference with paper ID ESO4, 21st and 22nd July 2017.
7. Dr. J. Lakshmi Narayana, Professor, N. Mounika, Assistant Professor, M. N. L. Kalyani, Assistant Professor, and M. Durga Rani, Assistant Professor, published a paper titled **"ICI Cancellation In OFDM Systems Under Stanford University Interim Channel Model With Paper Id (COM13)"** is accepted for Springer Proceedings of ICIECE – 2017 Conference, Conducted on 21st and 22nd July 2017.
8. M. N. L. Kalyani, Assistant Professor and K. Sundar Srinivas, Assistant Professor, published a paper titled **"An Adaptive Technique to Enhance the Ber in Ultra-Wideband Framework"** in IEEE International conference on Intelligent Computing, Instrumentation & Control Technologies (ICICICI - 2017) held on 6th and 7th July 2017.
9. A. Ramesh, Assistant Professor published a paper titled **"Design of Multiband Fractal Antenna for Wireless Application"** in ICRITEAM -2017 organized by the Eswar College of Engineering and Technology, Narasaraopet, Guntur on 2nd and 3rd June 2017.
10. A. Ramesh, Assistant Professor, published a paper titled **"Fake note Detection Using Image Processing"** ICRITEAM -2017 organized by the Eswar College of Engineering and Technology, Narasaraopet, Guntur, on 2nd and 3rd June 2017.
11. M. N. L. Kalyani, Assistant Professor and K. Sundar Srinivas, Assistant Professor, published a paper titled **"An Adaptive Technique to Enhance the Ber in Ultra-Wideband Framework"** in IEEE International conference on Intelligent Computing, Instrumentation & Control Technologies (ICICICI - 2017) held on 6th & 7th July 2017.

12. T. Sireesha, Assistant Professor, published a paper titled **"Analysis of dead zone compensation in digital closed loop IFOG using MATLAB"**, in journal of advanced research in dynamical and control systems (JARDCS), 11-special issue July 2017.
13. A. Ramesh, Assistant Professor, published a paper titled **"Design Of Multiband Fractal Antenna For Wireless Application"** ICRITEAM -2017 organized by the Eswar College of Engineering and Technology, Narasaraopet, Guntur, on 2nd & 3rd June 2017.
14. A. Ramesh, Assistant Professor, published a paper titled **"Facknote Detection Using Image Processing"** ICRITEAM -2017 organized by the Eswar College of Engineering and Technology, Narasaraopet, Guntur, on 2nd & 3rd June 2017.
15. A. Ramesh, Assistant Professor, published a paper titled **"Simulation of Patch Antenna By Koch Snow Flake Geonetry"** ICSTEM -2017 organized by the GVR&S College of Engineering and Technology, Guntur, on 7th & 8th April 2017.
16. A. Ramesh, Assistant Professor, published a paper titled **"Ultra Wideband Rectangular Patch Antenna with Band Multi Notchs"** is accepted for international conference on contemporary engineering and technology held on 31st Mar & 1st Apr - 2017.
17. A. Ramesh, Assistant Professor and T. Durga Prasad, Assistant Professor submitted paper titled **"Execution Analysis Of Integer Wavelet Transform In Image Compression"** is accepted for Presentation in 5th International Conference On Contemporary Engineering And Technology 2017." at Madha Engineering College , Chennai, March 24-25, 2017.
18. A. Ramesh, Assistant Professor, published a paper titled **"Execution Analysis Of Integer Wavelt Transform In Image Compression"** 5th International conference on contemporary Engineering and Technology 2017." at Madha Engineering College , Chennai, March 24-25, 2017.
19. T. Sireesha, Assistant Professor, published a paper titled **"Analysis Of Dead Zone Compensation In Digital Closed Loop IFOG Using MATLAB"**, is accepted for International Conference on Contemporary Engineering and Technology – March 2017 at PSCMRCET
20. M. N. L. Kalyani, Assisant Professor, K. Sundar Srinivas, Assisant Professor, submitted a paper titled **"An Adaptive Technique to Enhance the Ber in Ultra-Wideband Framework"** is published in IEEE international Conference on Wireless Communications, Signal Processing and Networking (WiSPNET) will be held at Electronics & Communication Engineering Department, Sri Sivasubramaniya Nadar College of Engineering, Chennai-603110, India, from March 22 to 24, 2017.
21. Dr. J. Lakshmi Narayana, M. N. L. Kalyani, N. Mounika, M. Durga Rani, published a paper titled **"ICI Cancellation in OFDM Systems under Stanford University Interim Channel Model"** is accepted for Springer proceedings.
22. Dr. B. Vanajakshi, Professor and N. Mounika, Assistant Professor, published a paper titled **"Prevention Of Fire Accidents In Rail Transport"** is accepted for Springer Proceedings of ICIECE – 2017 Conference with paper ID ESO4.
23. N. Mounika, Assistant Professor, published a paper titled **"A Gaussian Pyramid Based Image Fusion Technique in the DCT DOMAIN"** is published in International Conference on Contenporary Engineering and Technology – 2017.
24. Dr. B. Vanajakshi, Professor, D. Gowthami, Assistant Professor, N. Mounika, Assistant Professor, published a paper titled **"Image Based Currency Recognition System"** in International Journal of Pure and Applied Mathematics.
25. A. Ramesh, Assistant Professor, published a paper titled **"Simulation of Patch Antenna by Mistreatment Koch Snow Flake Geonetry"** International Journal of Industrial Electronic and Electrical Engineering - 2017.
26. Y. Kumari published paper on **"Unsharp Masking Based Image Enhancement of Nano Dispersed 100.O6 Liquid Crystal Compound"** in ICIECE-2017 Conference at GNI, Hyderabad.

ACADEMIC YEAR 2017-18

ACADEMIC TOPPERS IN 2017 - 18



14KT5A0411
DHULIPUDI JEEVAN RAJ
GOLD COIN WINNER

IV B.Tech



D JEEVAN RAJ
14KT5A0411



S LAKSHMI MANASA
13KT1A0456



V ESWAR KUMAR
13KT1A0469

III B.Tech



D NAGA NEELIMA
14KT1A0424



S GOPI KRISHNA
14KT1A0486



P SAI LAKSHMI SARANYA
15KT5A0417

II B.Tech



K JAYA SREE
15KT1A0436



D MADHAVARAO
15KT1A0428



Y CHANDRAKALA
15KT1A0485

I B.Tech



T RAGA PHANIGNA
16KT1A04A9



SK KHASIMBEE
16KT1A0496



L KRISHNA KAVYA
16KT1A0466



SANKSHEMA

(A Charitable Trust)

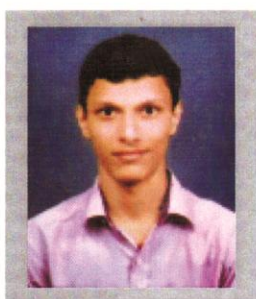
Sushrutha Cancer Hospital, Saraswathi Nagar, Karimnagar 505 002.

Tel : 0878-2278586, 2278744.

www.sankshema.org



SANKSHEMA SCHOLARSHIP - 2018



Sankshema Charitable Trust
considers it a privilege to support
Mr. D. Madhava Rao to pursue his **B.Tech.** course.
The Trust wishes him a prosperous and bright future.

(K.Vaman Rao)
Trustee

Date : 11th March, 2018
Place : Hyderabad

Sankshema, a non-profit organisation, runs Sushrutha Cancer Hospital at Karimnagar. It has so far treated over **20,129** cancer patients and has given free meals to over **7,51,458** persons. It has provided scholarships to over **5,596** students and disbursed scholarship amount worth of over Rs.**6,32,99,000/-**.

Sankshema has supported following students to pursue higher studies.

Course	Studying	Completed	Total	Male	Female
M.B.B.S.	148	449	597	387	211
B.E.	426	858	1,284	654	632
Other Courses	86	399	485	221	261
Total	660	1,706	2,366	1,262	1,104

Every Rupee donated to Sankshema Trust is spent properly for the needy.

Donations are exempt u/s 80G of I.T Act.

ACADEMIC YEAR 2017-18

PLACEMENT'S

S.NO	NAME OF THE STUDENT	Roll No	COMPANY	PACKAGE	CAMPUS TYPE
1	SASI ATLURI	14KT1A0490	EFFTRONICS	2.4 - 4 LPA	ON
2	GOPIKRISHNA SRIDHAR	14KT1A0486	VEDA IIT	3.4 LPA	OFF
3	MOHAMMED ZAINABUNNISA BEGUM	14KT1A0465	MULTIPLIER SOLUTIONS	1.8 L - 2.4 LPA	ON
4	BHAGYA SREE	14KT1A04A7			
5	CHANNA BHAVANI VASAVI POOJITHA	14KT1A0413			
6	AAMATHUL SAYEDA	14KT1A0403			
7	BHAVANA.T	14KT1A04A6	CATTAIN	2 LPA	ON
8	U.BHAGYA SREE	14KT1A04A7			
9	BHAVANA.T	14KT1A04A6			
10	P YOGYA SREE	14KT1A0475			
11	SANDHYA P	14KT1A04B2			
12	P RAJESH	14KT1A0478			
13	CH PRASHNATHI	14KT1A0417			
14	K JAYA SRAVANI	14KT1A0444			
15	E ROJA RAMANI	14KT1A0426			
16	A SHANMUKHI	14KT1A0402			
17	SHAHEEN SULTANA	14KT1A0491			
18	S KIRAN	14KT1A0499	IBeON INFOTECH PVT LTD	2 LPA	ON
19	M KRISHNAJA	14KT1A0469			
20	NAVEENA	14KT1A0464			
21	KOUSHIK CHAKRAVARTHY	14KT1A04A9			
22	SIDDHARTHA	14KT1A0460	Aliance space station	1.68 LPA	MEGA JOB FAIR AT DIET
23	P RAJESH	14KT1A0478			
24	MD ZAINAB	14KT1A0465	SIG		ON
25	SK TASLEEMA	14KT1A0496			
26	MD ZAINAB	14KT1A0465	POLARIS (GAMMA)	2.0 LPA	MEGA JOB FAIR AT GOLLAPUDI
27	T HEMA SRI	15KT5A0421			
28	ANAND SAI	14KT1A0407			
28	KOWSHIK	14KT1A0404			
30	SANDHYA P V	14KT1A04B2	INFOSIS		OFF
31	T HEMA SRI	15KT5A0421			
32	P YOGYA SREE	14KT1A0475			
33	P RAJESH	14KT1A0478			
34	B JAYANTH	14KT1A0460	SAVANTHI'S		ON
35	T KAVITHA SRI	14KT1A04A3			
36	BHAVANA.T	14KT1A04A6			
37	A SHANMUKHI	14KT1A0402			
38	AAMATHUL SAYEDA	14KT1A0403	SUTHERLAND		ON
39	CHILAMCHERLA DHANASRI PRASANNA SHIVANI	14KT1A0416			
40	BHAVANA.T	14KT1A04A6			
41	SHAHEEN SULTANA	14KT1A0491			
42	S KIRAN	14KT1A0499	TECH MAHINDRA		ON
43	A SHANMUKHI	14KT1A0402			
44	AAMATHUL SAYEDA	14KT1A0403			
45	DIVVELA NAGA NEELIMA	14KT1A0424			
46	SIDDHARTHA	14KT1A0460	PATH FRONT		ON
47	MULAM VENKATESWARLU	14KT1A0466			
48	P YOGYA SREE	14KT1A0475			
49	S KIRAN	14KT1A0499			
50	SHAIK SHAHEENA	14KT1A0493	TECH MAHINDRA		ON
51	SHAIK SHAIKAZ PASHA	14KT1A0494			
52	SHAHEEN SULTANA	14KT1A0491			
53	SHAIK TASLEEMA	14KT1A0496			
54	MOHAMMED ZAINABUNNISA BEGUM	14KT1A0465	PATH FRONT		ON
55	BHAVANA.T	14KT1A04A6			
56	U.BHAGYA SREE	14KT1A04A7			
57	P YOGYA SREE	14KT1A0475			
58	T HEMA SRI	15KT5A0421	PATH FRONT		ON
59	P YOGYA SREE	14KT1A0475			

INTERNAL COMPLIANCE COMMITTEE
ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

A seminar on Breast Cancer and Cervical Cancer was organized for I B.Tech girl students on 19/12/2017 by Dr. Sulochana Devi Cherukuri, Medical Oncology, Ravi's American Cancer Care, Vijayawada-1



A 5-day Workshop (26/12/2017-30/12/2017) on Defense Skills was conducted for I B.Tech girls by Sensei K. Ravi Kumar in association with the Inner Wheel Club, Mid-Town, Vijayawada-1



Novel painting methods-hands on experience,

I.Y.Kumari, Co-ordinator of Internal Compliance Cell would like to present report on three day workshop on NOVEL PAINTING METHODS –HANDS ON EXPERIENCE conducted from 21/12/2017 to 23/12/2017. No. of students attended this workshop are 150. In this workshop students have learnt painting methods like Tie and Dye, Glass painting, Fabric painting, Pot painting and Jewellery making. The main motto of the workshop is to make the girl students self-employable by improving their interests and skills. At the end, Prizes were distributed to students based on their talent and creativity. For first prize Rs.1000/- and second prize is Rs500/-.



ACADEMIC YEAR 2017-18

Jignasa - 2018



*Jignasa 2k18 was successfully conducted in the ECE dept,
with 65 paper presentations, 22 poster presentations,*

15 Circuit Hunt and Technical Quiz.

*Winners and runners are given
with Cash prizes and mementos
to encourage their competitive spirits.*

ACADEMIC YEAR 2017-18

Towards making students to get up-to-date technical knowledge and develop the skills needed for a successful start to career in the challenging industry workshop on "SCILAB" is conducted for III B. Tech ECE student a week from 29 June to 01 July 2017.



POT TI SRIRAMULU CHALAVADI MALLIKARJUNA RAO

COLLEGE OF ENGINEERING & TECHNOLOGY
Kothapet, Vijayawada - 520 001

3 Days Workshop on

SCILAB

Applications in Electronics and Communication

29-06-2017 to 01-07-2017

ORGANIZED BY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Towards making students to get practically sound, workshop on PCB design is conducted during 21st to 26th Aug 2017 for II B. Tech ECE students. All the faculty members are acted as resource persons for the workshop.



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO

COLLEGE OF ENGINEERING & TECHNOLOGY, KOTHAPET, VIJAYAWADA-520 001

ORGANIZED BY: DEPARTMENTS OF E.C.E & E.E.E



A 5 DAY WORKSHOP ON

PCB DESIGN

WHATEVER YOU MAKE TAKE IT AS YOURS



21st-26th Aug, 2017

IN ASSOCIATION WITH: IEI STUDENTS' FORUM

To Develop Industry relation, students visited to “RADAR Station” at Machilipatnam on 21st Aug 2017.



To encourage students to do projects based on Antennas, Hands on Workshop on “HFSS” has conducted from 12th to 16th Sep 2017 to III B.Tech ECE Students.

Conducted seminar on “Opportunities in VLSI industry” by Polukonda Basavaiah, Technical Lead – VLSI, Aricent Technologies, Bangalore on 28th Dec 2017.



**A Bridge Course on
Application of Mathematics
in Electronics Engineering**

*A Bridge Course on Application of
Mathematics in Electronics Engineering
05th - 10th June 2017.*

An 8 Days Workshop on Computer Hardware Training in Aug 2017



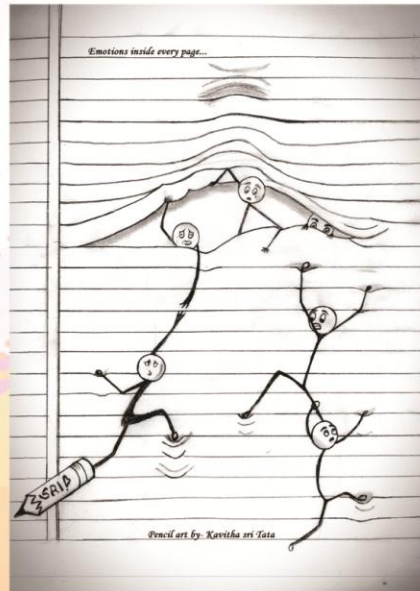
To Develop Industry relation, students visited to "Efftronics System Pvt. Ltd." at Vijayawada on 30th Dec 2017.

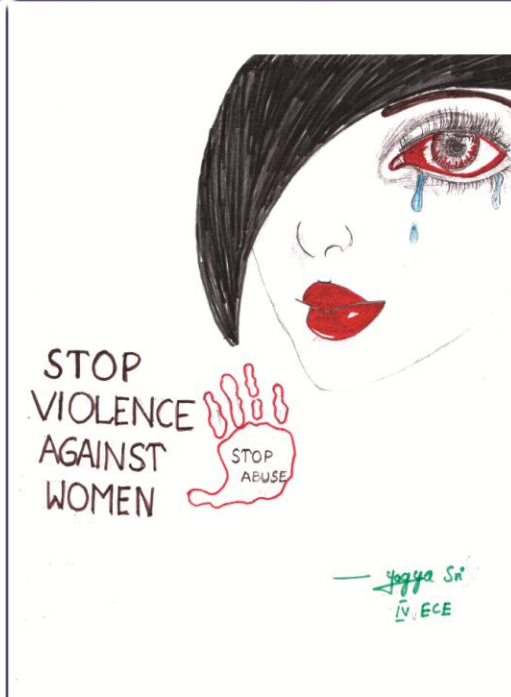
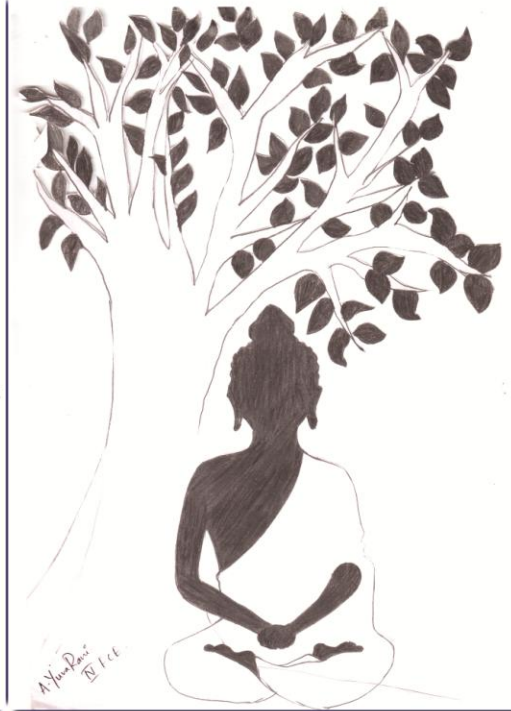
The final year students underwent Andhra Pradesh State Skill Development Corporation.



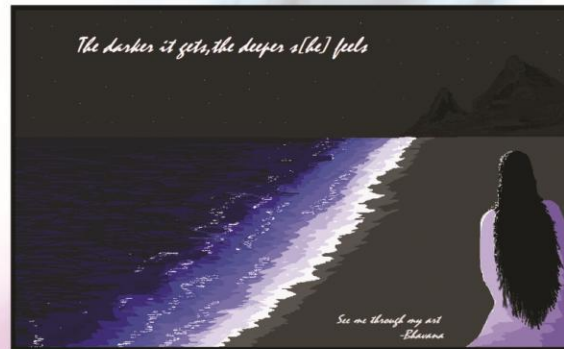
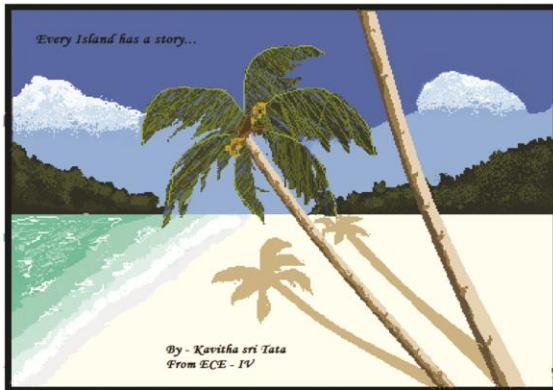
A Guest lecture on "Introduction to Speech Processing and Its Applications" By Dr. K. Sreenivasa Rao Associate Professor, Indian Institute of Technology Kharagpur.

ACADEMIC YEAR 2017-18





ACADEMIC YEAR 2017-18

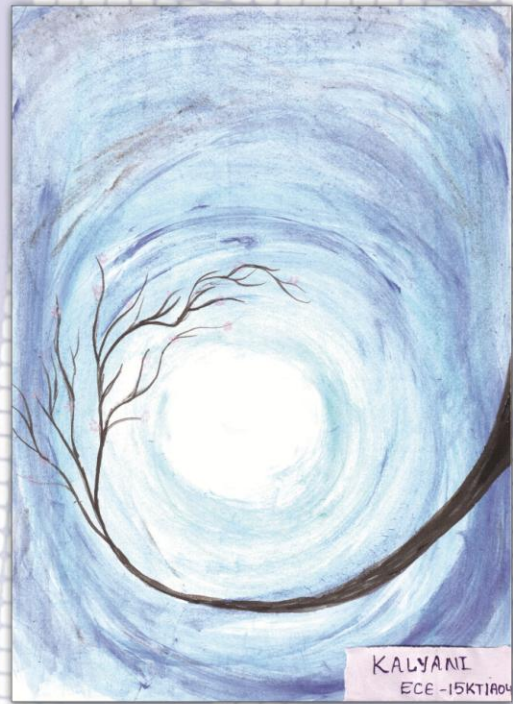


III year, ISKTIA0436, ECE-A



అద్వైతం

K. Jayasree



Articles

DNA Technology



What is DNA

Deoxyribonucleic acid, a self-replicating material which is present in nearly all living organisms as the main constituent of chromosomes. It is the carrier of genetic information.

How Genes Work

Now it is clear that genes are what carry our traits through generations and that genes are made of deoxyribonucleic acid. But genes themselves don't do the actual work. Rather, they serve as instruction books for making functional molecules such as ribonucleic acid (RNA) and proteins, which perform the chemical reactions in our bodies.

Proteins do many other things too. They provide the body's main building materials, forming the cells architecture and structural components. But one thing proteins can't do is make copies of themselves.

Is DNA Transformable

Yes, DNA is transformed or modified by using the some of scientific processes.

There are several methods of transforming or modifying DNA. One of them is "DNA Cloning"

What is DNA cloning

DNA cloning is nothing but the addition of a new part of genes in a specified part of a DNA.

And this new part is added in such a way that, genes present in a specified part where the new genes is added is removed. And the molecular structure detached must match with molecular structure of the genes to be added which is known as DNA code.

What are Genetic Disorders

One or more Abnormalities in genome is known as "Genetic Disorder."

Causes of Genetic Disorders

Genetic disorders are caused by a mutation in a single gene. The mutation may be present on one or both chromosomes (one chromosome inherited from each parent). These genetic disorders leads to several diseases.

Hereditary Diseases caused due to Genetic Disorders

There are many hereditary diseases caused due to genetic disorders. Some of them are

- heart disease
- high blood pressure
- Alzheimer's disease
- Arthritis
- diabetes
- cancer and
- obesity

- T. Raja Phaniaga
II ECE-B

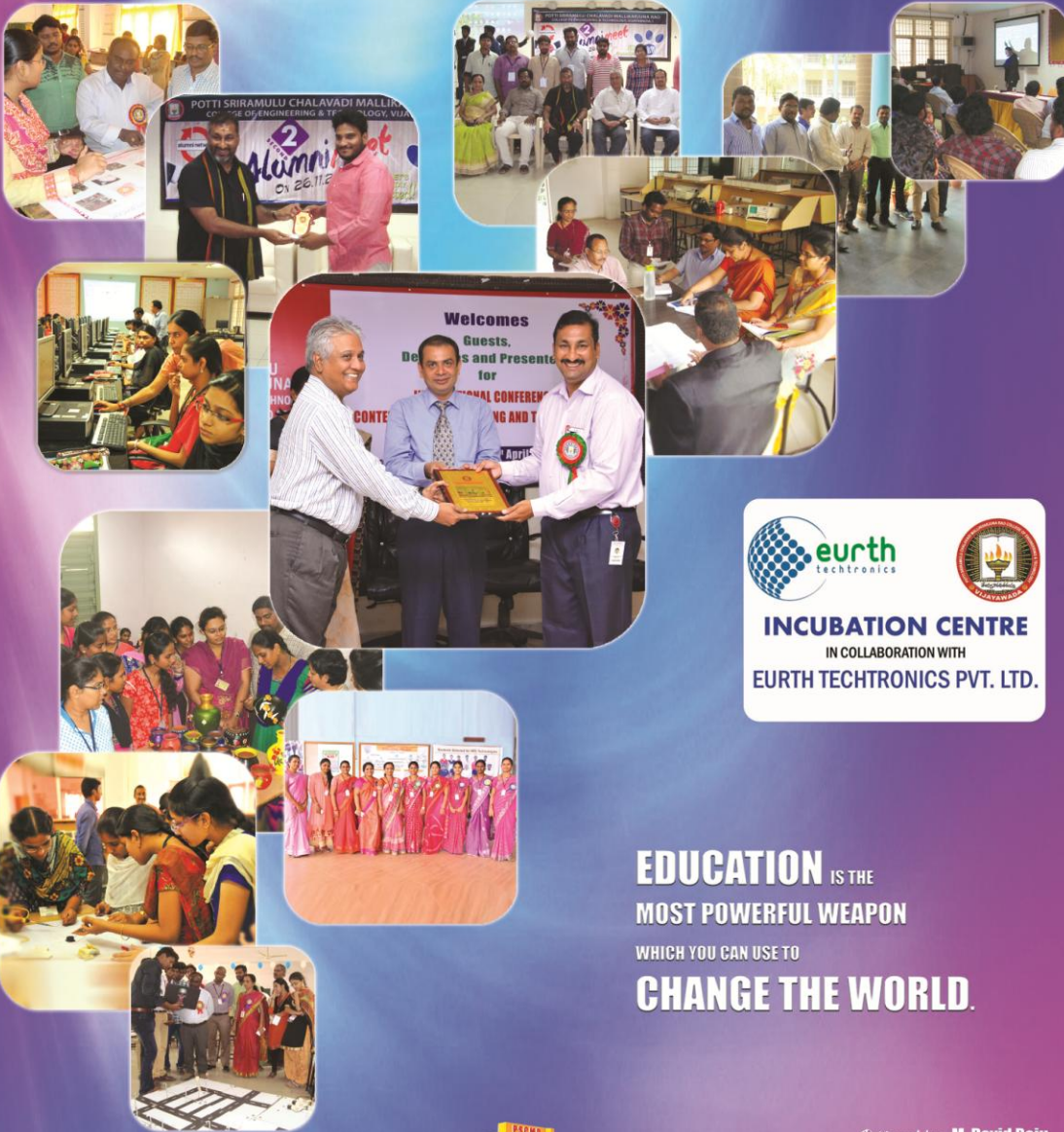
POEM ON STUDENT

Student is the one that is wished by all.
Under the torture they are bearing like hell.
Everybody thinks that they are putting their
efforts.
But they never think of students until they
get their results.
Nobody understands the frustration they're
bearing.
They can't even think how much it's tiring.
Sipping in those paragraphs, piling all those
words.
Doing what everyone's doing, joining sheep
herds.
For becoming temporary they want extraordinary
attempt.
And if you try to different, they'd never
enempt.
I stand here on behalf of us all.
I stand strong to make a call.
But soon my thought would be caught & I
imprisoned.
In society's trap and its ordinary vision.

- REBEKAH PAUL A
(1/10/16) (15KT1A0409)

P. Asha Choudhary
19K05A0409
IInd ECE - A Sec
PSCMR CET
Kandulapadu








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Designed by: M. David Raju

