

JANUARY - JUNE, 2023

## This issue

Brings you awareness about department activities done by staff and students.



## ABOUT THE INSTITUTE

Sagi Rama Krishnam Raju Engineering College, established in 1980, is a self-financed academic institution of coeducation striving to provide a high-quality technical education to engineering aspirants. Being one of the premier and well-established technical institutions in the country, it continues to render service to the nation and the world at large with its alumni holding highly prestigious positions and making a substantial contribution. It is an autonomous Institution (UGC Approved) and permanently Affiliated with Jawaharlal Nehru Technological University Kakinada (JNTUK). The college is replete with lush coconut trees spanning across a plot area of 30 acres at China Amiram, Bhimavaram, on the Bhimavaram-Vijayawada state highway and it is also well-connected to all other places by road and rail transport. Over the years, the college has established itself as a premier institution imparting technical education of a very high standard leading to the B. Tech. degrees in 11 branches of engineering, P.G degrees in 6 specializations, and 7 Ph. D. programs. S.R.K.R. Engineering College was established with a mission to develop the institution into a world-class Centre of excellence in the field of technical education that fosters research and essentials of employability and strives for pre-eminence amongst the premier institutions with high commitment to the socio-ecological well-being of the nation.

## An exclusive speech on

### "PERMEABILITY AND CAREER GROWTH"

A Guest Lecture was conducted in S.R.K.R Engineering College on the theme of "PERMEABILITY AND CAREER GROWTH" organized by the Department of Electronics and Communication Engineering. The guest lecture was delivered by Sri. Sheik Akbar, CEO/Founder at ARSHIL, who is the proud alumnus of the ECE Department (1990-1994).

The program was conducted on 06/02/2023 at 3.00 PM in T-302, Department of ECE. Dr. N. Udaya Kumar, Head of ECE Department has given opening remarks about the session. He addressed the students about the theme of the program. It has been a wonderful interactive session with the students regarding Career aspiration and growth.



### CHIEF EDITOR

**Dr. N. UDAYA KUMAR**  
HOD, ECE

### SUB EDITORS

**Sri M. VIJAYA RAMARAJU,**  
**Dr. G. NAGARAJU,**  
**Smt. K.L. DIVYA**

### STUDENT COORDINATORS

**Ch. GOWTHAMI, 4th ECE**  
**V. GAYATHRI, 4th ECE**  
**U. SANTOSH KUMAR, 3rd ECE**  
**V.P.V. BRAHMA DATTA, 3rd ECE**

Smt. Prathima Gamini and Sri. Rama Krishna, Assistant Professor of ECE Department acted as Event Coordinator. The program has been hosted by P. Sai Sankar of 3/4 B. Tech ECE. and M. Poojitha of 3/4 B. Tech ECE has introduced the Resource Person.



The Resource person, Sri. Sheik Akbar has emphasized the importance of the right mix of knowledge, attitude, and additional skills for a successful career. He focused on career opportunities in various allied domains of Engineering. 40 students of third-year ECE and some of the faculty members attended the lecture. Finally, the program was closed with a vote of thanks proposed by M. Poojitha of 3/4 B. Tech ECE.

## DEPARTMENT VISION

*Envision a diverse and stimulating academic research ambience for the student community and shaping them into competent professionals in the field of Electronics and Communication Engineering and to cater to the needs of society with a keen sense of environmental consciousness.*

## AN IMPETUS TALK BY Dr. Y P Prabhakara Rao

An Expert talk on "VLSI Fabrication Technologies" is arranged on 22-02-2023 in the Department of Electronics and Communications Engineering, Sagi Rama Krishnam Raju Engineering College (SRKREC). The Center of Excellence in VLSI Design organized this event. The eminent Resource person, Dr. Y P Prabhakara Rao has graced the event with his knowledge and experience. Dr. Y P Prabhakara Rao is currently working as visiting Scientist & Faculty at the Centre for Nano Science and Engineering at the Indian Institute Of Science, Bengaluru.



The event is hosted by Mrs. D. V. N. Bharathi, Assistant Professor, Department of E.C.E. Mrs. K. Lakshmi Divya, Assistant Professor, Department of E.C.E has given a brief introduction about the resource person to the august gathering. Dr. Y P Prabhakara Rao has given exposure on " VLSI Fabrication Technologies". He majorly concentrated on the practical aspects of the Fabrication steps of MOSFETS.



He also discussed the large-scale invasion of Ukraine on February 24th, 2022 along with the outcome of the ongoing conflict which is directly and indirectly impacting several technology sectors including the Electronics sector. The Key points in his talk majorly concentrated on the present Scenario of how Component makers utilize neon to facilitate the lithography and chip etching processes to make memory chips and logic ICs which is supplied by Ukraine which is responsible for producing 90 percent of the world's semiconductor-grade neon gas.

The supply side problem has transformed into a demand side problem as economies started recovering which indeed increased the consumption of electronic products across various segments. He has suggested students train with advanced technologies through Internships. Dr. M. Jagapathi Raju, Principal, S.R.K.R Engineering College has Suggested the students acquaint themselves with practical knowledge of the Trends and Challenges in the Technologies. He also suggested that exposure to the Practical aspects helps for their bright future. The session was very interactive, and students participated very enthusiastically. Ms. Ch. Gowthami from 3rd year E.C.E conveyed her special thanks to the resource person for sharing his practical knowledge on Fabrication Steps. This event is held on 22-02-203 at 3:00 P.M. The E.C.E students of the second year, third year, and final year along with the faculty members, a total of 173 members have attended the Expert Talk.

# A SOLEMN OPENING OF TRANCE 2023 BROCHURE



Department of ECE, SRKR ENGINEERING COLLEGE (A), has organized a one-day National level student technical symposium "TRANCE 2023" on 25th March 2023. In this regard, the Poster for Trance23 was launched on 1st March 2023. Principal, SRKREC Dr. M. Jagapathi Raju, Secretary and correspondent Sri SRK Nishanth Varma Garu graced the launching ceremony and congratulated the Team. Dr. N. Udaya Kumar, HOD ECE, Convener of this event expressed his happiness for organizing the event. Dr. SS Mohan Reddy and Dr. G. Nagaraju, Smt. G. Prathima, Smt. DVN Bharathi has acted as Co-convenor and Faculty Coordinators respectively for this event. Satya, Ganesh, Mohan, Manikanta, Sai, and Rajeswari of 3/4 ECE have acted as Student coordinators.

## TRANCE 2K23 - A NATIONAL LEVEL STUDENT TECHNICAL SYMPOSIUM (DEPARTMENT ANNUAL EVENT)

A National Level Technical Symposium "TRANCE-2023" was successfully conducted in the ECE department for engineering students on 25th March 2023. The objective of this symposium was to bring the students of various streams from different institutes onto a common platform to interact and share their innovative ideas, knowledge and to highlight new concepts in a variety of technologies. On behalf of this program, A Guest Lecture was arranged on the theme "Opportunities in Automotive Electronics" organized by the Department of Electronics and Communication Engineering. The guest lecture was delivered by Sri. V.S.K. Praneeth Varma, PRINCIPAL ENGINEER, CYBERSECURITY, DAIMLER TRUCK INNOVATION CENTER INDIA (DTICI), Bengaluru, India. The program was conducted on 25/03/2023 at 10.00 AM in the ECE Seminar Hall.



Dr. N. Udaya Kumar, Head of ECE Department, Convener for the program. Dr. SS Mohan Reddy, Professor, Co-convenor for the program. Dr. G. Nagaraju, Smt. G. Prathima, Smt. DVN Bharathi, Assistant Professor, acted as Faculty Coordinators. The program has been hosted by Mrs. K. L. Divya, Assistant Professor, ECE. Raja Rajeswari of 3/4 B. Tech ECE and Sai Chennu of 3/4 B. Tech ECE have introduced the Resource Person. The Resource person Sri. V.S.K. Praneeth Varma has taken a session on technical aspects, recent trends, and Global insights into Opportunities in Automotive Electronics.

90 students of B. Tech second and third-year ECE students and 30 faculty members attended the lecture. Another Keynote Lecture was arranged on the theme "Career Opportunities for higher education at Abroad" organized by the Department of Electronics and Communication Engineering. The Special talk was delivered by Sri. B. Chaitanya Krishna, Telugu Film Actor. The program was conducted on 25/03/2023 at 11.00 AM in the ECE Seminar Hall. The program has been hosted by Mrs. K. L. Divya, Assistant Professor, ECE. Raja Rajeswari of 3/4 B. Tech ECE and Sai Chennu of 3/4 B. Tech ECE have introduced the Resource Person. The Resource person Sri. B. Chaitanya Krishna has taken a session on Career Opportunities for higher education at Abroad. 90 students of B. Tech second and third-year ECE students and 30 faculty members attended the lecture.

## DEPARTMENT MISSION

- To educate the students with the state of the art technologies in Electronics and Communication Engineering to meet the ever growing challenges of the industry.
- To nurture the spirit of innovation and creativity in the faculty and students in order for them to carry out research in collaboration with research organizations and industry
- To provide ethical and value based education that promotes activities pertaining to societal needs.

## ABOUT OUR DEPARTMENT

The department of ECE was established in the year 1980 with an intake of 35 which was subsequently raised to 240 over a period of time. M. Tech course in Communication Systems was started in 2006. The department is presently offering 4-year B. Tech program in ECE, 2-year M. Tech in Communication Systems and Ph.D. program. The department has highly qualified, experienced and dedicated staff members. The department has dedicated technical and non-teaching staff members. The department has good infrastructure facilities. The department was accredited four times by National Board of Accreditation (NBA). The department has student chapters of professional bodies like IETE and college level ISTE, which conduct various student technical activities. Students of ECE participate in National level technical paper and hardware competitions being organized at various other colleges and some of them are awarded with prizes. They have been obtaining good scores in GRE, TOEFL and CAT. Students are placed in companies like TCS, Polaris, CTS, IBM, Infosys, Texas Instruments, BSNL, BEL, ISRO and DRDO. ECE department has been identified as research center by JNT University. The research center provides required facilities for carrying out research work for scholars. The department is associated with organizations like DRDO, NSTL, BEL, ISRO, BSNL, NRSA and RTTC. The department has MOUs with DS Reddy Consultancy, ETI Lab Pvt. Ltd., Salcit Technologies, Hyderabad and TCS for collaborative work and faculty improvement programs. Faculty published and presented about 512 research papers in technical journals and conferences.



Finally, the program was closed with a vote of thanks proposed by Dr. G. Nagaraju, Assistant Professor, ECE. This event has become very successful due to the cooperation given by management, the principal and all our staff members. We should make a special mention about the students of 3rd year, who have taken a lot of interest. The symposium included six main events: Viz. Techno geek (coding skills contest), Rejuvenate (Orator championship along with LUDO), Art Gallery (Artwork & Collections), Nexus (Hardware expo & design), Conquer (Quiz), Exposition (PPTs). More than 480 students from various colleges participated in this symposium. 103 students participated in TECHNO GEEK (coding skills contest), 180 students participated REJUVENATE (Orator championship along with LUDO), 32 students participated in ART Gallery, 40 students participated in NEXUS (Hardware Contest), 114 students participated in CONQUER (Quiz).



# A GUEST LECTURE ON THE THEME "OPPORTUNITIES IN AUTOMOTIVE ELECTRONICS"

Date: 25th March 2023

The Resource person and his details: Sri. V.S.K. Praneeth Varma, Principal Engineer, Cybersecurity Daimler Truck Innovation Center India (DTICI), Bengaluru, India.

The program has been hosted by Mrs. K. L. Divya, Assistant Professor, ECE. Raja Rajeswari of ¾ B. Tech ECE and Sai Chennu of ¾ B. Tech ECE has introduced the Resource Person. The Resource person Sri. V.S.K. Praneeth Varma has taken session on technical aspects, recent trends and Global insights of Opportunities in Automotive Electronics. 90 students of B. Tech second and third year ECE students and 30 faculty members have attended the lecture. Finally, the program was closed with vote of thanks proposed by Dr. G. Nagaraju, Assistant Professor, ECE.



## VISIONARY GUIDANCE ON "CAREER OPPORTUNITIES FOR HIGHER EDUCATION AT ABROAD"

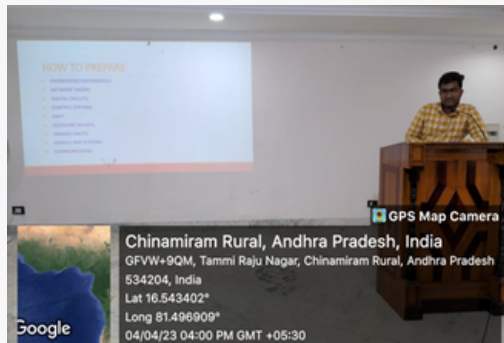


Date: 25th March 2023

The Resource person and his details: Sri. B. Chaitanya Krishna, Telugu Film Actor.

The program has been hosted by Mrs. K. L. Divya, Assistant Professor, ECE. Raja Rajeswari of ¾ B. Tech ECE and Sai Chennu of ¾ B. Tech ECE have introduced the Resource Person. The Resource person Sri. B. Chaitanya Krishna has taken a session on Career Opportunities for higher education Abroad. 90 students of B. Tech second and third-year ECE students and 30 faculty members attended the lecture. Finally, the program was closed with a vote of thanks proposed by Dr. G. Nagaraju, Assistant Professor, ECE.

## A Guest Lecture on the theme "Unlocking Success: Insights and Opportunities in Electronics Engineering and GATE Exam Preparation"



A Guest Lecture was conducted in S.R.K.R Engineering College on the theme "Unlocking Success: Insights and Opportunities in Electronics Engineering and GATE Exam Preparation" organized by the Department of Electronics and Communication Engineering. The guest lecture was delivered by Mr. K. Ravi Kiran, GATE EXAM CRACKER-2023, All India Rank 52 (IN) & All India Rank 221 (EC).

The program was conducted on 04/04/2023 at 3.00 PM in the ECE Seminar Hall. Dr. N. Udaya Kumar, Head of the ECE Department has given opening remarks about the session. He addressed the students about the theme of the program. Sri. T. Nalini Prasad, Assistant Professor of ECE Department acted as an event coordinator. The program has been hosted by K.D.S. Priyanka of ¾ B. Tech and G. Siri Chandana of ¾ B. Tech has introduced the Resource Person. The Resource person Mr. K. Ravi Kiran has taken sessions on Opportunities in Electronics Engineering (Job roles in electronics, Competitive salaries in electronics, global exposure of Electronics) and GATE Preparation Strategies and guidelines for GATE (Given Flow Chart for it), lastly he has given a few resources links for reference textbooks and online test series related to GATE. 68 students of B. Tech Second and Third year ECE and 10 faculty members attended the lecture. The program was closed with a vote of thanks proposed by G. Sathvika of ¾ B. Tech ECE.

# A thriving event: SDP on “Industrial Embedded Systems & IoT Career Guidance”



The Center of Excellence in IoT has organized a One Week Student Development Program on “Industrial Embedded Systems & IoT Career Guidance” from 10th to 15th April 2023. An Expert from Kernel Masters Mr. Boddu Kishore Kumar, Founder of Kernel Masters, who is having 20+ years of embedded systems design, software development, system integration, and validation on Qualcomm/Intel/Tichipset based on Linux, Android, Tizen, and IoT software platforms in areas like Consumer Electronics, Tele Communication, Industrial & Automation domains is the resource person and he conducted all the sessions with his team.

On First day, Mr. Boddu Kishore Kumar has given the Insights on “Introduction to Embedded Systems Basic Terminology in Industrial Embedded systems”, and Mr. Gautham Kumar has given the hands-on exposure on “Rayon Micro Board and Arduino Board” in a detailed manner. On second day, Mr. Boddu Kishore Kumar has given the hands-on exposure on “Current Trends in Embedded systems” for Industrial related scenarios and Mr. Gautham Kumar has given the hands-on exposure on “Smart Tracking System” for Industrial related scenarios in a detailed manner. On third day, Mr. Boddu Kishore Kumar has given the exposure on “Smart Grid and ARM Cortex M4 Architecture” for Industrial applications in a detailed manner and Mr. Gautham Kumar has given the hands-on exposure on “Smart gateway and Smart Grid” for IoT Scenario in a detailed manner. On fourth day, Mr. Boddu Kishore Kumar has given the exposure on “Introduction to Operating Systems and Real time operating systems” for Industrial application in a detailed manner and Mr. Gautham Kumar has given the hands-on exposure on “Hardware Implementation of Smart attendance system.” for industry and education institutions in a detailed manner. On fifth day, Mr. Boddu Kishore Kumar has given the exposure on “Internet of Things Architecture” for Industrial applications in a detailed manner and Mr. Gautham Kumar has given the hands-on exposure on “IoT Project Demonstration” for Industrial IoT.

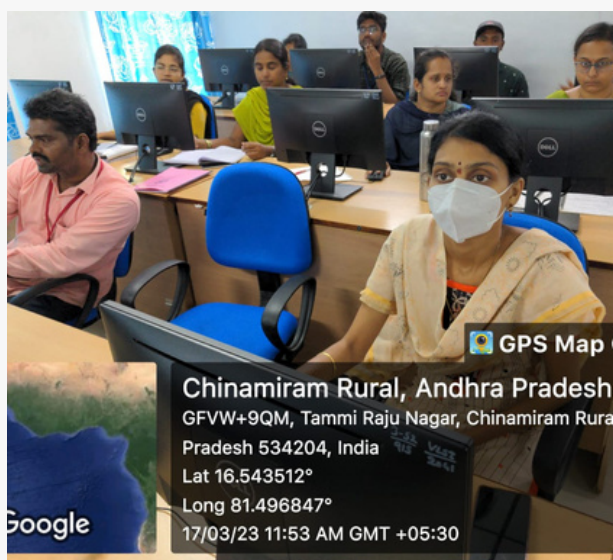


# A ONE-WEEK FDP ON "FULL CUSTOM AND SEMI CUSTOM FLOW IN CADENCE DESIGN TOOLS"



The Center of Excellence in VLSI Design organized a One Week Faculty Development Program on "FULL CUSTOM AND SEMI-CUSTOM FLOW IN CADENCE DESIGN TOOLS" held from 14th March to 18th March 2023. An Expert from Entuple Technologies Mr. Katta Sudhir Kumar, Field Application Engineer is the resource person. Mr. Katta Sudhir Kumar completed his B. Tech (ECE) from JNTU Kakinada in 2017 and M. Tech (VLSI Design and Embedded systems) from Gayathri Vidya Parishad College of Engineering (Autonomous), Vizag in 2019. He published his M. Tech thesis in IEEE conference. Presently, he has been working as Application Engineer at Entuple Technologies-Bangalore from 2020. His areas of interest are Analog Design and EDA tools.

Mr. Katta Sudhir Kumar has given the Insights on "Full Custom IC Design Flow in VLSI and Cadence Solutions for Semi-Custom IC Design" on his Day 1 first session. He has given the hands-on exposure on "Functional Verification using Incisive and RTL Synthesis using Genus Synthesis Solution" for NAND gate in a detailed manner in his Day 1 second session. He has given the hands-on exposure on "Test-bench Creation using Virtuoso Schematic Editor & Functional Simulation using Spectre" for NAND gate in a detailed manner in his Day 2 first session. He has given the hands-on exposure on "Functional Verification using Incisive and RTL Synthesis using Genus Synthesis Solution" for NAND gate in a detailed manner Day 2 second session. He has given the hands-on exposure on "Physical Verification which includes DRC & LVS & Parasitic Extraction using Quantus" for NAND gate in a detailed manner Day 3 first session. He has given the hands-on exposure on "Post Layout Simulation & Generation of GDSII" for NAND gate in a detailed manner Day 3 second session. He has given the exposure on "Introduction to Semi-Custom IC Design Flow & Cadence Solutions for Semi-Custom IC Design" for 4-bit counter in a detailed manner Day 4 first session. He has given the hands-on exposure on "Functional Verification using Incisive & RTL Synthesis using Genus Synthesis Solution" for 4-bit counter in a detailed manner Day 4 second session. He has given the hands-on exposure on "Physical Implementation using Innovus that includes Floor Planning, Power Planning" for 4-bit counter in a detailed manner Day 5 first session. He has given the hands-on exposure on "Placement, CTS, Routing, Generation of GDSII" for 4-bit counter in a detailed manner Day 5 second session.



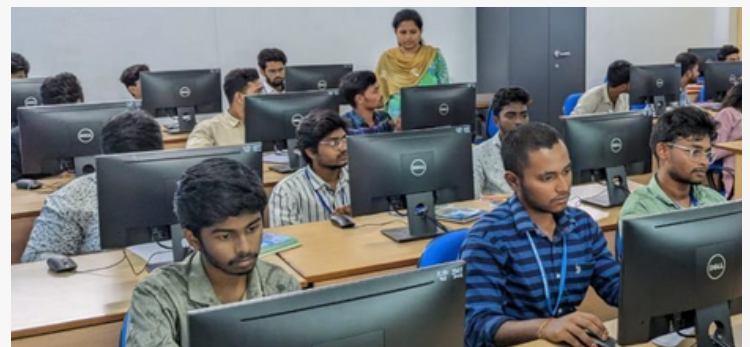
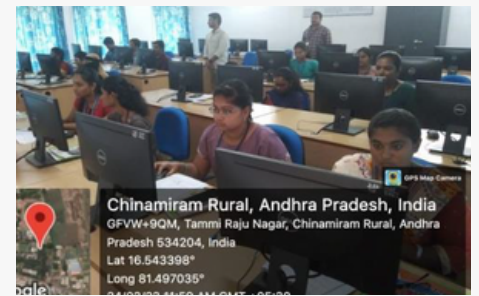
# SDP Consolidated Report On

## “FULL CUSTOM AND SEMI CUSTOM FLOW IN CADENCE DESIGN TOOLS”

The Center of Excellence in VLSI Design organized a One Week Student Development Program on “FULL CUSTOM AND SEMI CUSTOM FLOW IN CADENCE DESIGN TOOLS” held during 20th March to 24th March 2023. An Expert from Entuple Technologies Mr. Katta Sudhir Kumar, Field Application Engineer is the resource person.

Mr. Katta Sudhir Kumar completed his B. Tech (ECE) from JNTU Kakinada in 2017 and M. Tech (VLSI Design and Embedded systems) from Gayathri Vidya Parishad College of Engineering (Autonomous)- Vizag in 2019. He published his M. Tech thesis in IEEE conference. Presently, he has been working as Application Engineer at Entuple Technologies-Bangalore from 2020. His areas of interest are Analog Design and EDA tools.

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# National Level Hackathon prize winner Ms. Nulu Joshitha

NULU Joshitha, ECE Final student of SRKR Engineering college, won a cash prize of Rs. 30,000/- in the National Level coding competition Hackathon organized by noted software from Virtusa. Out of 68,000 students participated, 100 participants are shortlisted. Finally, 2 teams were declared winners, Joshitha is member of one of the teams. She created an app with the title "Girl Career", which bagged the cash award. SRKREC College secretary and correspondent SRK Nishanth Varma felicitated Joshitha. Principal Dr. M. Jagapathi raju, ECE HOD Dr. N. Udaya Kumar, T & P Cell Dean Dr. KR Satyanarayana and other staff members congratulated Joshitha on April 25th, 2023.



## Annual Academic Audit report (2021-2022)



The Annual Academic Audit has been conducted in the department of Electronics and Communication Engineering by External Committee members on 13-05-2023.

The Committee members Dr. N. Balaji Director, IQAC and Legal Cell, Professor & Head of E.C.E Department, UCE, JNTUK, Kakinada and Dr. V. Malleswara Rao, Professor, Dept of E.C.E, Andhra University, Visakhapatnam have verified all the necessary documents and have given some remarks and suggestions. The assessors appreciated the department in several aspects and finally some recommendations are suggested for further development. Also, they have interacted with the faculty and at the last the committee members handed over the report and recommendations to the Head of the Department Dr. N. Udaya Kumar.



# A Seminar is on “Empowering the latest developed countries through information and communication technologies”



The Institute of Engineers in India (I.E.I.) Bhimavaram, a Local Center in association with the department of E.C.E., organized World Telecommunication and Information Society Day on 17th May 2023. A Seminar is given on “Empowering the least developed countries through information and communication technologies” by Sri. G. Naveen Kumar, Sub Divisional Engineer, CNTX-South, BSNL, Rajahmundry. The speaker is a proud alumnus of SRKR Engineering College (1997 – 2000), Department of E.C.E., Mr. Naveen Kumar. G has a special diploma in Electronics With a Specialization in Industrial Electronics and Instrumentation (SDE-IE) from the Government Institute of Electronics (GIOE), Secunderabad and worked as a lecturer at Smt B. Seetha Polytechnic, Bhimavaram. He has been recruited as Junior Telecom Officer (J.T.O.) and presently working as Sub Divisional Engineer (S.D.E.). The event started at 7.30 P.M. and continued until 9. P.M. in Cisco webex virtual meet. Dr. K. Suresh Babu Chairman, IEI Bhimavaram Local Centre, Dr. K. Brahma Raju, FIE Council Member, Institution of Engineers (India), Kolkata, Dr. NGK Murthy, Honorary Secretary IEI Bhimavaram Local Centre, and Dr. N. Udaya Kumar, Head of the E.C.E. Department, addressed the august gathering and speech given on World Telecommunication and Information Society Day. The program has been hosted by Dr. B.V.D.S. Shekhar, Professor in the I.T. department. Dr. T.V. Hyma Lakshmi, Assistant Professor in the department of E.C.E., has introduced the Resource Person. The Resource person has taken the session on technical aspects, recent trends, and Global information and communication technologies insights. The H.O.D. of the E.C.E. department felicitates the resource person with an e-certificate. Finally, the program closed with queries from the participants and the vote of thanks proposed by Dr. T.V. Hyma Lakshmi.

## A Technical Training Program on “Embedded Systems and Internet of Things”

Mr. K. Chalapathi Raju has given presentation on Introduction to Embedded Systems, Internet of Things and Exposure to Wi-Fi Module in the Day 1 first session. In Day 1 second session, Mr. P. Eswara Rao has given the hands-on exposure to Wi-Fi Module and Interfacing Different Sensors. In Day 2 first session, Mr. K. Chalapathi Raju has given presentation on Current Trends in Embedded Systems, Difference Between Embedded Systems, Internet Enabled Systems & Internet of Things Systems. In Day 2 second session, Mr. P. Eswara Rao, has given the hands-on exposure to interfacing sensors data to cloud. In Day 3 first session, Mr. K. Chalapathi Raju has given presentation on Cloud computing. In Day 3 second session, Mr. P. Surendra Varma, has given the hands-on exposure to Cloud Platforms like Thingspeak & Fire-base. In Day 4 first session, Mr. P.K.K. Varma has given presentation on Protocols used in Internet of Things. In Day 4 second session, Mr. P. Eswara Rao, has given the hands-on exposure to Interfacing sensors data to cloud. In Day 5 first session, Mr. K. Chalapathi Raju has given excellent presentation on Internet of Things Architecture, Implementing a real time, project based on the sensors & activators. In Day 5 second session, Mr. P. Surendra Varma, has given the hands-on Internet of Things Project demonstration. This event held from 22nd May 2023 to 26th May 2023.



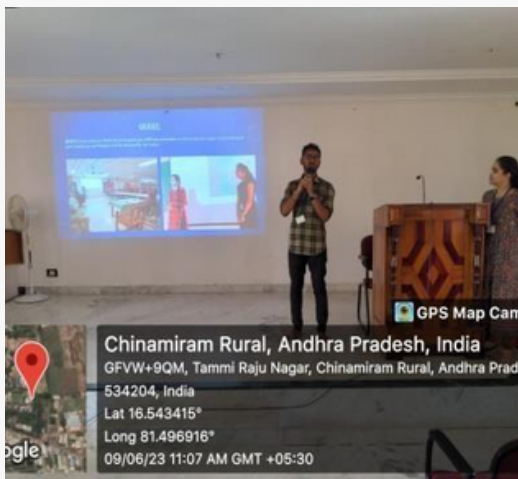


## A Seminar entitled "Professional Career Guidance & Strategic Planning" for Intermediate Students

A Seminar entitled "Professional Career Guidance & Strategic Planning" held on 09-06-2023 in the Department of Electronics and Communications Engineering at Sagi Rama Krishnam Raju Engineering College as Out Reach Program. An Eminent & Vastly Experienced Person Dr. N. Udaya Kumar acted as Convener. Academic Experienced Persons Dr. M. Satish Kumar, Sri. P. KanakaRaju & Sri. Y.S.S.S. Ramamam acted as Resource Persons.



The event is hosted by Dr. N. Udaya Kumar, Professor, Head of the ECE Department, S.R.K.R Engineering College (A) and introduced the In charge Principal Dr. K.V. Murali Krishnam Raju and Resource Persons to the Participant Intermediate Students. Talking on this occasion In charge Principal Sir conveyed to the participant students that to utilize the time & freedom properly in the Professional Colleges to achieve the success in the career & also appealed the selection of Branch & Engineering College under the Proper Guidance of the Parents. ECE Department HOD explained the Importance of every Engineering branch to the society and also talked about the Inventions & Innovations in the Electronics & Communication Field.



Resource Person Dr. M. Satish Kumar discussed on various Professional Programs offered by the reputed Professional Educational Institutes in detail, career opportunities with those Programs & also explained the activities done & mile stones reached by the ECE Department in the Past Years. Other Resource Person Sri. P. Kanaka Raju highlighted the Importance of Electronics & Communication branch. Lastly Resource person Sri. Y.S.S.S. Ramam talked about how to choose web options in the counseling to enter into a Good Engineering College with interested branch. ECE Department Final Year IETE Students narrated how they developed their technical skills in the Campus through Professional body memberships. Seminar is ended by the Closing Remarks given by the ECE Department IETE Students.

# Hardware Project Expo for the intermediate students

The Inauguration of the Hardware Project Expo event was held on 10-06-2023 in the Department of Electronics and Communications Engineering at Sagi Rama Krishnam Raju Engineering College(A) as Outreach Program. An Eminent & Vastly Experienced Person Dr. N. Udaya Kumar acted as Convener. Academic Persons Sri K.N.V. Satyanarayana, Sri J. Ganesh & Sri. P. Eswara Rao acted as Resource Persons and Coordinators .



Show casing the student's projects was the main objective and thereby enhancing the project quality as per the need of industry, with this in mind SRKREC DEPT OF E.C.E had initiated the concept of Project presentation and Project Expo for the intermediate students. After completion of the intermediate, we need to create an awareness of which areas are emerging in the field of Electronics and Communication Engineering.



The event is hosted by Dr. N. Udaya Kumar, Professor, Head of the ECE Department, S. R. K. R Engineering College(A) and Introduced the Incharge Principal Dr. K.V. Murali Krishnam Raju and Resource Persons to the Participants. Talking on this occasion In charge Principal Sir conveyed to the students that to utilize the time & freedom properly in the Professional Colleges to achieve the success in the career & also appealed that selection of Branch & Engineering College under the proper guidance of the parents. ECE Department HOD explained the importance of every Engineering Branch to society and also talked about the Inventions & Innovations in the Electronics & Communication Field. ECE Department Final Year IETE Students narrated how they developed their technical skills in the Campus through Professional Body Memberships. Seminar is ended by the Closing Remarks given by the ECE Department IETE Students.

## Sri B. Bhagya Prasad recognised as "NPTEL Discipline Star"



Sri B. Bhagya Prasad working as an assistant professor in ECE Department, SRKR Engineering College. He received certification of appreciation for being recognized as "NPTEL Discipline Star" in Electrical engineering from NPTEL (a project of MHRD initiated by seven IITs & IISc) for the period during Jan to Apr 2023. For this achievement, he had certified in 6 courses (which are offered by NPTEL) by completing more than 50 weeks of learning with marks greater than 55% in every course.

# Sri B. Sanjay awarded of the Degree of Doctor of Philosophy (Ph. D)

Sri B. Sanjay, Assistant Professor in Dept of ECE, SRKREC, qualified for the award of the Degree of Doctor of Philosophy (Ph. D) in Electronics and Communication Engineering from the Faculty of Engineering of Koneru Lakshmaiah Education Foundation (KLEF), Deemed to be University, under the supervision of Dr. B. T. P. Madhav, Director (AR) & Professor, Department of ECE, KLEF in June 2023.

He completed his B. Tech from PVP Siddhartha Institute of Technology, M. Tech from SRKR Engineering College, Andhra University. His Ph. D thesis entitled "Study on Compact Antenna Placement Analysis for Intra and Inter Vehicular Communication Applications". In this thesis, novel and compact flexible microstrip patch antennas are proposed and analyzed for vehicular communication applications. The proposed models are fabricated on transparent PET substrate, and they are validated for vehicular communications in virtual environment as well as for various intra and inter vehicular communications scenarios.



Proposed antenna is tested in virtual vehicular environment by placing it on vehicle body for validation of proposed antenna for automotive applications. The presented antenna operates in vehicular communication bands, that includes wireless application bands like UMTS, LTE2600, WLAN, WiMAX, IEEE802.11p protocol based V2X 5.8GHz, DSRC and WAVE communications bands.

## Certification Course, Course Title: "CCNA: Introduction to Networks"

The students have successfully achieved student level credential for completing course administered by the instructors Mr. P Krishna Kanth Varma from ECE dept, Mr. K D V P K VARMA from CSE Dept during the period of 4th February 2023 to 30th June 2023.

By this Course the students were able to proficiently:

- Configure switches and end devices to provide access to local and remote network resources.
- Explain how physical and data link layer protocols support the operation of Ethernet in a switched network.
- Configure routers to enable end-to-end connectivity between remote devices.
- Create IPv4 and IPv6 addressing schemes and verify network connectivity between devices.
- Explain how the upper layers of the OSI model support network applications.
- Configure a small network with security best practices.
- Troubleshoot connectivity in a small network.

The 125 members of  $\frac{3}{4}$  ECE Students achieved the certificates in this course.

**END IS NOT THE END IN FACT E.N.D. MEANS "EFFORTS NEVER DIES."  
- DR. A.P.J. ABDUL KALAM**



**"Education is the most powerful weapon you can use to change the world"  
- Nelson Mandela**

**"A person who never made a mistake never tried anything new."  
- Albert Einstein**



# "NEWS PAPER BULLETIN BOARD"



THE ENDEAVOURS OF ELEGANTS TO DISCOVER AND EXPLORE THE NEW TECHNOLOGIES ARE NEVER ENDING

## ఎస్ఆర్ కెఆర్ ప్రాఫెసర్కు పిహెచ్ డి

ఓమవరం, జూన్ 28, (పత్రికాపేజీ) : ఓమవరం ఎస్ ఆర్ కె ఆర్ ఇంజనీరింగ్ కళాశాల ఎలక్ట్రానిక్స్ అండ్ కమ్యూనికేషన్ ఇంజనీరింగ్ డిపార్ట్మెంట్ ఆసిస్టెంట్ ప్రొఫెసర్ బండి నంజయ్యకు కేవల యూనివర్సిటీ ఈనీటోల పీహెచ్ డి ప్రధానం చేసిన కళాశాల సైక్లబర్ అండ్ కరస్పాండెంట్ సాగి రామకృష్ణ నివాసం వద్ద చేర్చారు. బుధవారం కళాశాల మేనేజింగ్ డిరెక్టర్ హెచ్ డాక్టర్ నంజయ్య సు యాజమాన్యం తరఫున మనగా నత్కరించారు. ఈ సందర్భంగా డాక్టర్ బండి నంజయ్య మూల్యముగా కేవల విశ్వవిద్యాలయం ఆకాడమిక్ రీసర్చ్ డైరెక్టర్ డాక్టర్ బి డి సి మాధవ్ పర్యవేక్షణలో తాను సమర్పించిన " స్టడీ ఆన్ కంపాక్ట్ యాంటీనా ఫ్రీస్పేస్ ఎలాలసిస్ పర్ ఎంప్లూ ఆండ్ ఇంటర్ హేజిటల్ కమ్యూనికేషన్ అప్లికేషన్స్ " అనే అంశంపై తాను చేసిన పరిశోధనకు గాను యూనివర్సిటీ పీహెచ్ డి ప్రధానం చేసింది అన్నారు. ఈ సందర్భంగా ఇచ్చింది ప్రొఫెసర్ డాక్టర్ కె సురేష్ బాబు, ఈనీటోల హెచ్ డాక్టర్ ఎస్ కి రమ్య కుమార్ మూల్యముగా యువ అధ్యాపకులు అధ్యాపక



వృత్తి ప్రారంభ కరలోనే పీహెచ్ డి పట్టి కనవరణం మంచి పరిణామం అన్నారు. వారికి అధ్యాపక వృత్తిలో మంచి భవిష్యత్తు ఉంటుంది, అదే సమయంలో వారి సేవలు విద్యార్థులకు కూడా ఎంతగానో ఉపయోగపడుతుంది పేర్కొన్నారు. ఈ సందర్భంగా సహారం అధ్యాపక బృందం ఆయనను ఆదరించింది.

### ఆంధ్రవైభవ

## 9న ఎస్ఆర్ కెఆర్ లో వర్క్ షాప్

కళాశాల ప్రొఫెసర్ డాక్టర్ కె.వి. బండి ప్రేక్షణ

జూన్ 28, 2023

జూన్ 28, 2023

### ఆంధ్రవైభవ

## ఇంజనీరింగ్ లో ఉన్న ప్రతి గ్రూపు సమాజానికి ఉపయోగపడతాయి

-ఎస్ ఆర్ కె ఆర్, ఈనీటోల హెచ్ డాక్టర్ ఎస్ కి రమ్య కుమార్

జూన్ 28, 2023

### ఆంధ్రవైభవ

## అఖండ భూమి

పంపిన బహుత్

### పశ్చిమ గోదావరి

కర్ణాటక

జూన్ 28, 2023

### ఆంధ్రవైభవ

## హెక్టార్లలో ప్రతిభ చూపిన విద్యార్థిని అభినందనలు

జూన్ 28, 2023

జూన్ 28, 2023

### ఆంధ్రవైభవ

## వికీషియర్స్ శిక్షణ కార్యక్రమం ప్రోచోర్ ఆవిష్కరణ.

జూన్ 28, 2023

జూన్ 28, 2023

### ఆంధ్రవైభవ

## సంజయ్యను అభినందిస్తున్న కళాశాల సైక్లబర్ వర్క్ షాప్

జూన్ 28, 2023

జూన్ 28, 2023

### వశిష్టబుడే

## ఇంజనీరింగ్ ల్యాబ్ వికీషియర్స్ కు శిక్షణ

జూన్ 28, 2023

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### సాక్షి

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