



TKR COLLEGE OF ENGINEERING & TECHNOLOGY AUTONOMOUS

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ELECTRONICS AND COMMUNICATION ENGINEERING NEWS LETTER

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Website: <https://tkrcet.ac.in/> **Email:** info@tkrcet.ac.in



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1. PREFACE

Welcome to a world where electrons weave magic and waves carry wonders! Step into the pages of our newsletter, crafted by the brilliant minds of our Electronics and Communication Engineering family.

These pages pulse with the hum of innovation, the spark of circuits pushing the boundaries of possibility, and the harmony of waves bridging distances and connecting lives. It's a window into a universe where signals transcend barriers, semiconductors build futures, and antennas reach out to uncharted skies.

This newsletter is more than just a collection of words; it's an embodiment of our collective dreams, a testament to our relentless pursuit of knowledge, and our passion for exploration. It bridges the analog legacy of the past with the digital breakthroughs of today, leading us to the futuristic horizons of tomorrow.

From decoding the mysteries of VLSI to navigating the dynamics of communication networks, from celebrating our innovative projects to exploring the cutting-edge advancements in embedded systems, this newsletter reflects our shared journey—a beacon guiding us through the ever-evolving realm of electronics and communication.

We extend our heartfelt gratitude to our contributors, the wisdom of our faculty mentors, and the steadfast support of our peers. Together, we illuminate the path of discovery, fostering a community where ideas thrive and imagination knows no limits.

So, dear readers, fasten your seatbelts as we embark on this electrifying voyage. Let these pages energize your curiosity, spark discussions, and inspire you to be the trailblazers of the connected world.

Welcome aboard! The journey begins now.

2. MESSAGE FROM MANAGEMENT



SRI TEEGALA KRISHNA REDDY
CHAIRMAN



SRI TEEGALA HARINATH REDDY
SECRETARY



SRI TEEGALA AMARNATH REDDY
TREASURER

Unlock the frequency of innovation with our branch of Electronics and Communication Engineering! Our brilliant minds are designing the future, one circuit at a time. Join the journey of discovery, where signals transform into solutions. Embrace the power of knowledge, where tomorrow's tech pioneers in communication and electronics are forged today. Dive into the wave of technological evolution!

3. MESSAGE FROM THE PRINCIPAL



Dr. D.V. RAVI SHANKAR

PRINCIPAL-TKRCET

As the College Principal, I'm thrilled to witness the incredible potential within our Electronics and Communication Engineering domain, where innovation is not just a goal but our identity. Embrace the synergy of technology and creativity to spark groundbreaking advancements, as our community nurtures trailblazers shaping the future of communication and electronics. Let curiosity guide your exploration, perseverance power your progress, and knowledge serve as your foundation. Every circuit you design and signal you decode is a step toward transforming the world. Together, let's amplify our influence, leaving an indelible mark on the technological landscape. Your journey here is not just about acquiring knowledge but about driving innovation and shaping the future—seize every moment, embrace every challenge, and let's thrive together!



4. EDITORIAL

Dear Enthusiasts,

Welcome to the heart of innovation! Within these pages, immerse yourself in the collaborative synergy of our esteemed faculty and visionary student coordinators as we navigate the dynamic world of Electronics and Communication Engineering. Together, we nurture creativity and excellence, applying knowledge to redefine possibilities in areas like wireless communication, VLSI design, embedded systems, and signal processing. From groundbreaking research to impactful projects and vibrant events, our shared passion for shaping the future of technology drives us forward. Join this thriving community where expertise meets enthusiasm, innovation knows no bounds, and the spirit of exploration opens limitless possibilities.

FACULTY COORDINATORS

Dr. PADMAJA DEVI.
(Associate Professor)

Mrs.A.HARITHA
(Assistant Professor)

STUDENT COORDINATORS

K.KETHAN SAI
(24K91A0482)

G.PRAGNA
(24K91A0470)

5. ABOUT THE DEPARTMENT



Dr.M. MAHESH

HEAD OF DEPARTMENT- ECE

Welcome to the vibrant hub of technological innovation at TKR College of Engineering and Technology! Established in 2002, our Electronics and Communication Engineering Department, under the visionary leadership of Dr. M. Mahesh—a distinguished academician with 22 years of teaching experience, a Master's degree from JNTU Hyderabad, and a Ph.D. in Image Processing from JNTUA, Anantapur—stands as a beacon of excellence. Nestled at the crossroads of tradition and advanced technology, the department thrives on pioneering research, innovative teaching methodologies, and a steadfast commitment to shaping future leaders in ECE. With state-of-the-art labs and a dynamic curriculum, we foster creativity, innovation, and problem-solving, empowering students to excel in areas such as signal processing, VLSI design, embedded systems, and wireless communication.



6. ACADEMIC EXCELLENCIA

"Embarking on the journey of academic excellence, our stellar achievers have illuminated the path to success with their unwavering dedication and brilliance. Join us in celebrating the remarkable achievements of our top scholars, whose relentless pursuit of knowledge has set a soaring standard in our academic community."

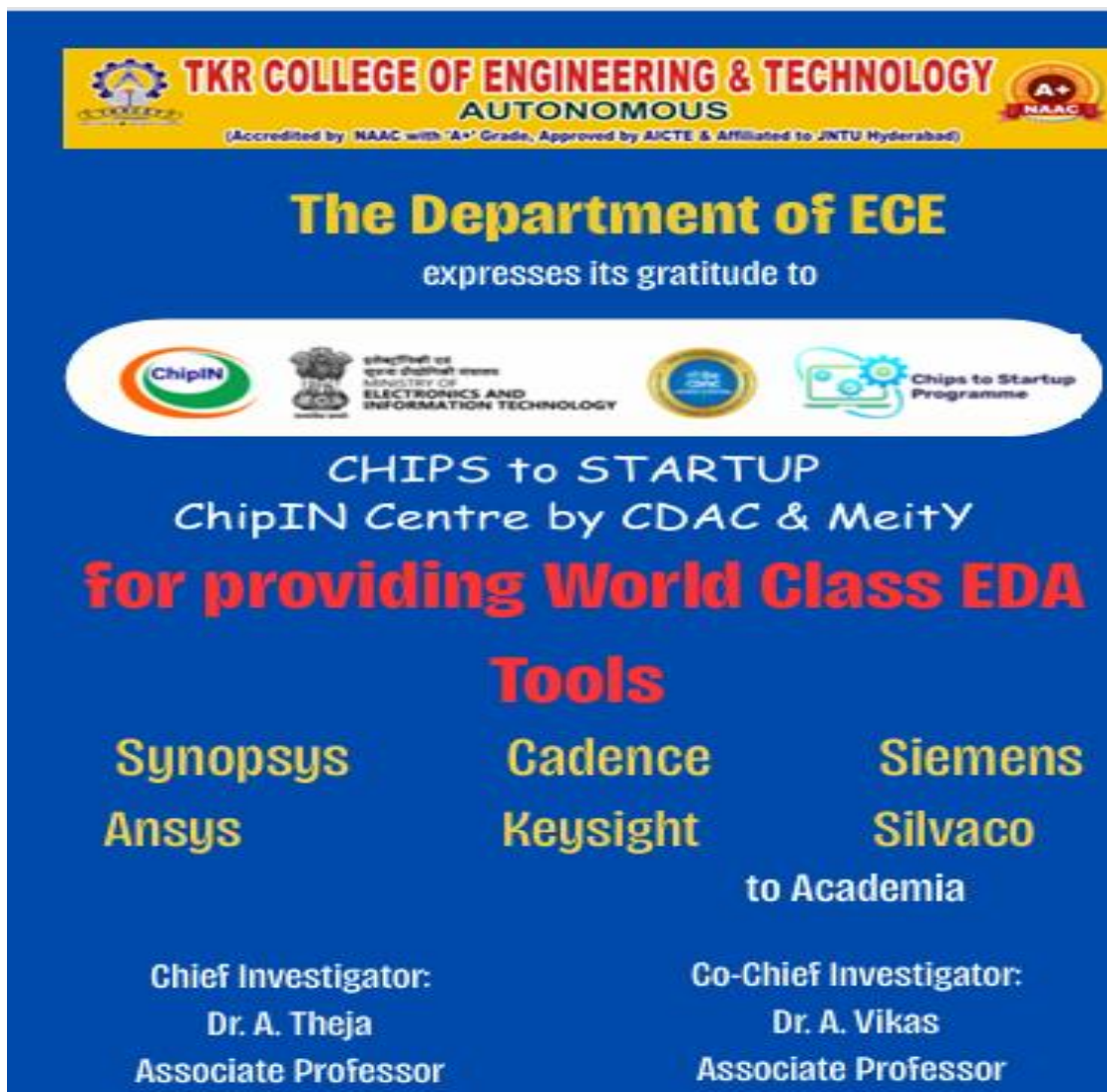
BACHELOR OF TECHNOLOGY

7. NEWS AND ACHEIVEMENTS

FACULTY BULLETIN

❖ C2S PROJECT:

- TKRCET-ECE, under the leadership of Dr. A. THEJA (PI) and Dr. A. VIKAS (Co-PI), has been onboarded to the Chips to Startup (C2S) programme by MeitY, providing access to advanced EDA tools such as Synopsys, Cadence, Xilinx, Silvaco, Keysight ADS, and ANSYS HFSS/RedHawk. This initiative empowers students and faculty with hands-on VLSI/semiconductor design projects, research opportunities, and industry collaborations.



The Department of ECE expresses its gratitude to

ChipIN, Ministry of Electronics and Information Technology, Chips to Startup Programme

CHIPS to STARTUP
ChipIN Centre by CDAC & MeitY
for providing World Class EDA Tools

Synopsys	Cadence	Siemens
Anslys	Keysight	Silvaco
to Academia		

Chief Investigator: Dr. A. Theja Associate Professor	Co-Chief Investigator: Dr. A. Vikas Associate Professor
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❖ **UGC NET:**

- **Ms. S. SWATHI**, Assistant Professor, qualified for Assistant professor & admission to Ph.D through UGC-NET JUNE-2025.

❖ **BEST FACULTY:**

- **Ms.M.CHAITANYA** has been honoured with the Best Faculty Award in recognition of outstanding contributions to teaching and academic excellence.
- **Ms.CH.DIVYA** has been honoured with the Best Faculty Award in recognition of outstanding contributions to teaching and academic excellence

❖ **NPTEL DOMAINS:**

- **Dr.K. Sukanya** has successfully completed the Domain Certificate in Programming at IIT Madras during the period January to April 2025
- **Venkata Lavanya Poluri** has successfully completed the Domain Certificate in Data Science at IIT Madras during the period January to April 2025.
- **Gadiparthi Anitha Chowdary** has successfully completed the Domain Certificate in Programming at IIT Madras during the period January to April 2025.



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❖ NPTEL STARS:

S.NO.	Name of the Institution / Teacher / Student	Name of the Award/ Recognition	Name of the Awarding Body/Agency (Government/Government-recognised agencies/bodies)	Month and Year of award
1	Dr.K.SUKANYA	NPTEL SUPER STAR	IIT MADRAS	JAN-APR-2025
2	Dr.K.SUKANYA	NPTEL MOTIVATED LEARNER	IIT MADRAS	JAN-APR-2025
3	Dr.K.SUKANYA	NPTEL DISCIPLINE STAR	IIT MADRAS	JAN-APR-2025
4	GADIPARTHI ANITHA CHOWDARY	NPTEL ENTHUSIAST	IIT MADRAS	JAN-APR 2025
5	GADIPARTHI ANITHA CHOWDARY	DOMAIN CERTIFICATE IN PROGRAMMING	IIT MADRAS	JAN-APR 2025
6	GADIPARTHI ANITHA CHOWDARY	NPTEL SUPER STAR	IIT MADRAS	JAN-APR 2025
7	M.CHAITANYA	NPTEL DISCIPLINE STAR	IIT MADRAS	JAN-APR 2025
8	S.SWATHI	NPTEL DISCIPLINE STAR	IIT MADRAS	JAN-APR 2025



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- Dr. K.SUKANYA has participated NPTEL STAR EVENT held at IIT Madras.



Presented to

SUKANYA K

for participating in the NPTEL Star Felicitation event
conducted on 9th Feb, 2025 by IIT Madras at SAC Auditorium.




PROF. ANDREW THANGARAJ
COORDINATOR
NPTEL IIT MADRAS



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- **GADIPARTHI ANITHA CHOWDARY** has participated NPTEL STAR EVENT held at IIT Madras.





❖ FACULTY PUBLICATIONS

S.NO	NAME OF THE AUTHORS	TITLE OF THE PAPER	NAME OF THE JOURNAL	YEAR OF THE PUBLISH
1	Dr. A.VIKAS & Dr. A.THEJA	INVESTIGATION OF ITC IMPACT ON NEGATIVE BIAS HJVT FET FOR IMPLEMENTING UNIVERSAL LOGIC GATES	INTERNATIONAL JOURNAL OF NUMERICAL MODELING: ELECTRONIC NETWORKS, DEVICES AND FIELDS	JUNE, 2025
2	B.SWAPNA	OPTIMIZING 5G MASSIVE MIMO SYSTEMS USING DNN AND DSAC-T: A SCALABLE ADAPTIVE BEAM FORMING FRAMEWORK	APPLICATIONS OF MODELING AND SIMULATION	MARCH, 2025
3	RNS KALPANA	FINDING THE EFFICIENCY OF CONVBI-LSTM OVER ANTICIPATION OF ADVERSARIES IN WBANS	RECENT PATENTS ON ENGG	JAN 2025
4	RNS KALPANA	ENHANCING SECURITY IN WBANS: NOVEL MULTI-VIBRATE TIME SERIES ANALYSIS	IJSAEM	JANUARY 2025
5	Dr.P.GAYATHRI	IMPLEMENTATION OF EFFICIENT 4X4 COLUMN BY PASSING MULTIPLIER USING 2:1 MULTIPLEXER BASED ADDER	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY - AN UGC APPROVED JOURNAL	MAY 2025
6	Dr.P.GAYATHRI	FIRE DETECTION AND FIRE FIGHTER	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY - AN UGC APPROVED JOURNAL	MAY 2025
7	Dr.P.GAYATHRI	IOT BASED AUTOMATIC PLOUGHING, SEEDING, WATERING ROBOT	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY - AN UGC APPROVED	MAY 2025



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			JOURNAL	
8	S.SWATHI	IOT POWERED WATER QUALITY MANAGEMENT WITH LIVE STATUS UPDATE OF VARIOUS PARAMETERS	THE INTERNATIONAL JOURNAL OF ANALYTICAL AND EXPERIMENTAL MODAL ANALYSIS	MAY 2025
9	E.PRABHAKAR	"360 DEGREE ULTRA SONIC RADAR FOR DEFENCE APPLICATION WITH AUTOMATIC SHOOTING AND MONITORING"	IJIRT	MAY 2025
10	S.BALAKRISHNA	AI CHATBOT FOR AUTOMATED CUSTOMER SUPPORT USING MACHINE LEARNING	IJIRT	MAY 2025
11	S.BALAKRISHNA	ANALYSIS OF HUMAN EMOTION BASED MUSIC PLAYER USING OPENCV AND DEEP LEARNING	IJIRT	MAY 2025
12	E.PRABHAKAR	AI-BASED ACCIDENT DETECTION SYSTEM	IJIRT	MAY 2025
13	K. SANTOSHI	MULTI CAR PARKING SYSTEM USING VERILOG	THE INTERNATIONAL JOURNAL OF ANALYTICAL AND EXPERIMENTAL MODAL ANALYSIS	MAY-2025
14	G ANITHA CHOWDARY	HIGHSPEED RAILWAY AUTOMATION USING MATLAB	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	MAY 2025
15	G ANITHA CHOWDARY	16-BIT VEDIC MULTIPLIER USING CARRY SKIP ADDER	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	MAY 2025
16	G ANITHA CHOWDARY	BLOOD GROUP DETECTION USING DEEP LEARNING AND ANALYSIS OF MEDIUM SCALE DATASET OF FINGERPRINT SAMPLES	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	MAY 2025
17	S.SWATHI	SMART AMBULANCE WITH INTELLIGENCE TRAFFIC CONTROL	IJRIT	MAY 2025



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		USING RFID AND IOT		
18	G VENKATA SUBBA RAO	HELMET AND NUMBER PLATE DETECTION USING DEEP LEARNING	IJIRT	MAY 2025
19	G VENKATA SUBBA RAO	AI AND IOT BASED HAND GESTURE HOME APPLIANCES CONTROL SYSTEM	IJAEMA	MAY 2005
20	G VENKATA SUBBA RAO	PNEUMONIA DETECTION USING DEEP LEARNING	IJIRT	MAY 2025
21	D SWATHI	IOT BASED SMART SHOPPING CART USING QR CODE WITH NODEMCU	IJIRT	MAY 2025
22	S ANUSHA	IOT BASED COAL MINE SAFETY HELMET	IJIRT	MAY 2025
23	M CHAITANYA	PUBLIC WATER SUPPLY GRID MONITORING AND LEAKAGE SYSTEM UNDER GROUND PIPE LINING USING IOT	IJIRT	MAY 2025
24	G.MAHESH	SOIL ANALYSIS FOR CROP RECOMMENDATION AND DISEASE DETECTION	IJAEMA	MAY 2025
25	G.MAHESH	IMPLEMENTATION OF AHB TO APB BRIDGE DESIGN	IJAEMA	MAY 2025
26	Dr.J.SUNITHA KUMARI	DESIGN AND IMPLEMENTATION OF SCHMITT TRIGGER USING FIN FET TECHNOLOGY	IJIRT	MAY 2025
27	Dr.J.SUNITHA KUMARI	GSM ENABLED VEHICLE SECURITY SYSTEM WITH IMMOBILISER FUNCTION	IJIRT	MAY 2025
28	Dr.J.SUNITHA KUMARI	BLINK INTEGRATED EMBEDDED CONTROL SYSTEM RASPBERRY PI	IJIRT	MAY 2025
29	J SRAVANTHI	VLSI REALISATION OF AREA EFFICIENT CARRY SELECT ADDER	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	MAY 2025



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30	J SRAVANTHI	LIP READING USING DEEP LEARNING	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	MAY 2025
31	DR. B. SWAPNA RANI	ACNE AND FUNGAL SKIN DISEASE DETECTION AND RECOMMENDATION USING CONVOLUTIONAL NEURAL NETWORKS: AVGG16-BASED APPROACH	INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT (IJNRD)	APRIL 2025
32	DR. B. SWAPNA RANI	DESIGN AND IMPLEMENTATION OF 9T SRAM USING 22NM TECHNOLOGY: A COMPARATIVE ANALYSIS WITH 6T SRAM	INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT (IJNRD)	APRIL 2025
33	DR. K. PADMAJA DEVI	FINGWEPRINT BIOMETRIC-BASED ATTENDANCE SYSTEM	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	MAY 2025
34	DR. K. PADMAJA DEVI	WALL CRACK DETECTION USING PYTHON	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	MAY 2025
35	DR. K. PADMAJA DEVI	SIGN LANGUAGE RECOGNITION USING DEE LEARNING APPROACH	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	MAY 2025
36	M.INDIRA	SMART BABY CRADLE	INTERNATIONAL JOURNAL OF ANALYTICAL AND EXPERIMENTAL MODAL ANALYSIS	MAY 2025
37	V.JHANSI	SUPERMARKET SHOPPING SYSTEM USING RFID	INTERNATIONAL JOURNAL OF RESEARCH	MAY 2025
38	DR. P.V.LAVANYA	ACCIDENTPREVENTIO N SYSTEM IN HILLY AREAS AND DEADLY ZONES USING IOT	JOURNAL OF ENGINEERING SCIENCES	MAY 2025
39	P MANGA RAO	A TRIPLE BURST ERROR CORRECTION BASED ON REGION SELECTION CODE	THE INTERNATIONAL JOURNAL OF ANALYTICAL AND	MAY 2025



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			EXPERIMENTAL MODAL ANALYSIS	
40	P MANGA RAO	VEHICLE TO VEHICLE COMMUNICATION BY USING RF TECHNOLOGY AND IMAGE PROCESSING	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	MAY 2025
41	DR.A.VIKAS	DESIGN AND PERFORMANCE ANALYSIS OF VOLTAGE CONTROLLED OSCILLATOR	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	MAY 2025
42	DR.A.VIKAS	PHASE NOISE ANALYSIS OF SEPERATELY DRIVEN RING OSCILLATOR	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	MAY 2025
43	K.SHILPA	SIGNATURE VERIFICATION USING IMAGE PROCESSING	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	MAY 2025
44	RNS KALPANA	IMPLE MENTATION OF HIGH SPEED 16 BIT ADDER USING 4 BIT CLA ADDER	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	MAY 2025
45	RNS KALPANA	DRUNK AND DRIVE DETECTION WITH VEHICLE IGNITION LOCK	IJAEMA	MAY 2025
46	A.HARITHA	WEED IDENTIFICATION USING DEEP LEARNING	JOURNAL OF INFORMATION AND COMPUTATIONAL SCIENCE	MAY 2025
47	A.HARITHA	IOT BASED MONITORING AND CONTROLLING SYSTEM OF HYDROPONIC VERTICAL FARMING	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	MAY 2025
48	M.VAISHNAVI	DETECTION AND PREVENTION OF CARDIOVASCULAR DISEASE USING MACHINE LEARNING	INTERNATIONAL JOURNAL OF ANALYTICAL AND EXPERIMENTAL MODAL ANALYSIS	MAY 2025
49	SATYANARAYANA M	DESIGN AND IMPLEMENTATION OF SAMPLE AND HOLD CIRCUIT IN 180NM	IJNRD	MAY 2025



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		CMOS TECHNOLOGY		
50	M.VAISHNAVI	FRAUD DETECTION IN FINANCIAL TRANSACTIONS USING AI	INTERNATIONAL JOURNAL OF RESEARCH	MAY 2025
51	M GNANESH GOUD	IDENTIFICATION OF PLANT DISEASE FROM LEAF IMAGES BASED ON CNN	IJIRT	MAY 2025
52	M GNANESH GOUD	CLASSIFYING TYPE OF FLOWERS USING CNN	JOES	MAY 2025
53	Dr. M MAHESH	EFFECTIVE WEED MANAGEMENT USING LASER TECHNOLOGY	INTERNATIONAL JOURNAL OF ANALYTICAL AND EXPERIMENTAL MODAL ANALYSIS	MAY 2025
54	K.SHALINI	"LUNG CANCER STAGES PREDICTION USING DEEP LEARNING"	INTERNATIONAL JOURNAL OF ANALYTICAL AND EXPERIMENTAL MODAL ANALYSIS	MAY 2025
55	CH. DIVYA	SMART TREKKING STICK USING LORAWAN IOT TECHNOLOGY	INTERNATIONAL JOURNAL OF ANALYTICAL AND EXPERIMENTAL MODAL ANALYSIS	MAY 2025
56	CH. DIVYA	PREDICTING STUDENT PERFORMANCE AND ITS INFLUENCING FACTORS BY USING MACHINE LEARNING	INTERNATIONAL JOURNAL OF ANALYTICAL AND EXPERIMENTAL MODAL ANALYSIS	MAY 2025
57	E.PRABHAKAR	INNOVATIVE SMARTBAG FOR WOMEN SAFETY	INTERNATIONAL JOURNAL OF ANALYTICAL AND EXPERIMENTAL MODAL ANALYSIS	MAY 2025
58	CH.SWAPNA	FACIAL AND VOICE BASED VEHICLE SECURITY SYSTEM USING ML AND IOT	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	MAY 2025
59	CH.SWAPNA	TO DESIGN OF LOW POWER WIDE RANGE VOLTAGE LEVEL SHIFTER USING CMOS TECHNOLOGY	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	MAY 2025



❖ FDP S ATTENDED BY FACULTY

S.NO .	NAME OF THE FACULTY	DATE	NO. OF DAYS	PARTICULARS (FDPS/STTPS/W ORKSHOPS)	DETAILS OF TITLE
1	DR. A. THEJA	24-07-2025 TO 02-08-2025	10	FACULTY DEVELOPMENT PROGRAM	ADVANCED SEMICONDUCTOR MATERIALS, DEVICES, CIRCUITS, AND SYSTEMS: EMERGING TRENDS AND FUTURE DIRECTIONS
2	DR.A.VIKAS	24-07-2025 TO 02-08-2025	10	FACULTY DEVELOPMENT PROGRAM	ADVANCED SEMICONDUCTOR MATERIALS, DEVICES, CIRCUITS, AND SYSTEMS: EMERGING TRENDS AND FUTURE DIRECTIONS
3	B.SWAPNA	30-06-	1	FACULTY	ANTENNA



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		2025 TO 5-07-2025	WEEK	DEVELOPMENT PROGRAM	DESIGN AND SIMULATION USING CST- EM TOOL
4	JIGURU GAUTAMI	26-07- 2025	1 DAY	FACULTY DEVELOPMENT PROGRAM	EMBEDDED SYSTEMS ARM CORTEX
5	D SWATHI	26-07- 2025	1 DAY	WEBINAR	EMBEDDED SYSTEMS USING ARM CORTEX
6	D SWATHI	1ST&2ND AUGUST 2025	2DAYS	WORKSHOP	GENAI AND EEG- BASED EMOTION DETECTION
7	S.ANUSHA	26-07- 2025	1 DAY	WEBINAR	EMBEDDED SYSTEMS USING ARM CORTEX
8	S.ANUSHA	1ST&2ND AUGUST 2025	2DAYS	WORKSHOP	GENAI AND EEG- BASED EMOTION DETECTION
9	K. SANTOSHI	26-07- 2025	1 DAY	WEBINAR	EMBEDDED SYSTEMS USING ARM CORTEX
10	K. SUDHA RANI	26-07- 2025	1 DAY	WEBINAR	EMBEDDED SYSTEMS USING ARM CORTEX
11	K.SHILPA	26-07-	1 DAY	WEBINAR	EMBEDDED SYSTEMS



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		2025			USING ARM CORTEX
12	E.PRABHAKAR	01-01-2025 TO 30-04-2025	12 WEEKS	FDP	CNIP
13	M GNANESH GOUD	26-07-2025	1 DAY	WEBINAR	EMBEDDED SYSTEMS USING ARM CORTEX
14	CH.SWAPNA	26-07-2025	1 DAY	WEBINAR	EMBEDDED SYSTEMS USING ARM CORTEX
15	CH.SWAPNA	17-2-2025 TO 26-2-2025	10 DAYA	FDP	INTRICACIE S OF ANALOG & MIXED SIGNAL IC DESIGN
16	K.SHILPA	17-2-2025 TO 26-2-2025	10 DAYA	FDP	INTRICACIE S OF ANALOG & MIXED SIGNAL IC DESIGN
17	M VAISHNAVI	26-07-2025	1 DAY	WEBINAR	EMBEDDED SYSTEMS USING ARM CORTEX



CONFERENCES ATTENDED BY THE FACULTY

S.NO	NAME OF THE AUTHORS	TITLE OF THE PAPER	NAME OF THE JOURNAL	YEAR OF PUBLISH
1	M.JAGRUTHI	ADVANCED SPATIAL-TEMPORAL FRAMEWORK FOR DEFORESTATION MONITORING WITH CNN-LSTM HYBRID ARCHITECTURE	DEVIC 2025	APRIL 5TH 2025

STUDENT BULLETIN

❖ NPTEL Students List:

S.NO	Roll Number	Name Of The Student	Title	Year
1	22K91A04M4	SHAIK ARIEF AHMED	CMOS DIGITAL VLSI DESIGN	JAN-MAR-2025
2	22K91A04Q5	HEMANTH	CMOS DIGITAL VLSI DESIGN	JAN-MAR - 2025
3	22K91A04F9	MYAKA MANGA	CMOS DIGITAL VLSI DESIGN	JAN-MAR-2025
4	22K91A0457	GOPARI MAHESH	CMOS DIGITAL VLSI DESIGN	JAN-MAR - 2025
5	22K91A04M4	SHAIK ARIEF AHMED	CMOS DIGITAL VLSI DESIGN	JAN-MAR-2025

❖ Industrial Visit:

- The Department of ECE, TKRCET, organized an industrial visit to Kaynes Electronics Manufacturing Pvt. Ltd. on 5th March 2025 for B.Tech III Year students, guided by four faculty members. The visit offered hands-on exposure to electronics manufacturing in aerospace, defense, automotive, and IoT, enhancing students' industry readiness and practical learning.
- **Departure from College**
ECE students with faculty starting their industrial visit journey from TKRCET campus.



- **Interactive Session Photo**
ECE students in an interactive session with delegates at Kaynes Electronics.



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- **Factory Visit Photo (Students in lab coats)**
Students and faculty exploring advanced electronics manufacturing processes at Kaynes Electronics.



❖ STUDENT PLACEMENTS

- ❖ During the academic year 2024–25, a total of 50 students have been successfully placed through campus and off-campus recruitment drives. Renowned organizations such as NCR Atleos, Dexterity, and Face Prep participated in the recruitment process.

The Training and Placement Cell, with the active support of faculty and skill development initiatives, has played a pivotal role in preparing students for industry readiness. The encouraging placement record reflects the institute's commitment to employability and professional excellence.

❖ NSS Activities

1. On 28.02.2025, the NSS volunteers participated in the Vignan Vaibhav - 2025, a Science fair organized by KIYE on the occasion of National Science Day at Gachibowli Stadium.





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2. On 01/03/2025, the NSS Unit celebrated the Tercentenary of Lokamatha Ahilya Bai Holkar in association with ABRSM in the college Auditorium. Dr. K.Swapna a member from ABRSM was the resource person.



3. On 03/02/2025, The NSS Unit Nominated D. Harshitha NSS volunteer to attend the 10 Day National Integration camp at YN College, Narasapur West Godavari from 03.02.2025 to 09.02.2025.



- On 07.03.2025, The NSS Unit celebrated the International Women's day in the college Auditorium. Dr. Vijaya Kurchana, Principal, TKRCOP was the Guest Speaker of the event.



3. On 15.05.2025 the Election committee members appreciated the NSS unit , the NSS volunteers for assisting on the polling Day of General Elections held on 13.05.2025 by handing over the certificates and honorarium.



4. The NSS UNIT TKR COLLEGE OF ENGINEERING AND TECHNOLOGY has conducted the Essay writing competition, Declamation contest, poetry contest and painting contest on the topic " Equal Access to Education" on 08.04.2025 as directed by the NSS Cell JNTUH.



TKR COLLEGE OF ENGINEERING & TECHNOLOGY AUTONOMOUS

(Accredited by NAAC with 'A+' Grade, Approved by AICTE & Affiliated to JNTU Hyderabad)



Meerpet, Telangana, India

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Hanuman Nagar Colony, Meerpet, Telangana 500097, India
Lat 17.322971° Long 78.535261°
08/04/25 03:46 PM GMT +05:30



SPORTS:

- **G.RajaShekar(Roll No:22K91A0449) was the Runner-Up in the Throw ball men Annual Sports Fest at Mahindra University Conducted from 10th to 15th February 2025.**