



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society , Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



ELECTRONICS AND COMMUNICATION ENGINEERING NEWS LETTER

Frequency: HALF YEARLY

EDITION -2

July-December 2022(VOL.II)



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



CONTENTS OF THE NEWS LETTER

- 1. PREFACE**
- 2. MESSAGE FROM THE MANAGEMENT**
- 3. MESSAGE FROM THE PRINCIPAL**
- 4. EDITORIAL**
- 5. ABOUT THE DEPARTMENT**
- 6. ACADEMIC EXCELLENCE**
- 7. NEWS/ACHIEVMENTS**



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 TEGGALA KRISHNA REDDY
CHAIRMAN**



**SRI TEGGALA HARINATH REDDY
SECRETARY**



**SRI TEGGALA 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

J.VAISHNAVI
(20K91A0470)

G.BHARGAV SAI
(20K91A0457)

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."

MASTER OF TECHNOLOGY

BACHELOR OF TECHNOLOGY

7. NEWS AND ACHEIVEMENTS

FACULTY BULLETIN

- Dr. SUKANYA K was recognized as an NPTEL Motivated Learner for the July–December 2022 session.

FDPS ATTENDED BY THE FACULTY

S.NO	NAME OF THE FACULTY	DATE	NO. OF DAYS	PARTICULARS (FDPS/STTPS/WORKSH OPS)	DETAILS OF TITLE
1	A.THEJA	05.07.2022 TO 09.07.2022	5	FACULTY DEVELOPMENT PROGRAM	SIMULATION, MODELLING AND APPLICATION OF ADVANCED SEMICONDUCT OR DEVICES
2	J.SRAVANT HI	08.08.2022 TO 13.08.2022	6	FACULTY DEVELOPMENT PROGRAM	PROGRAMMING ESSENTIALS IN PYTHON
3	J.SRAVANT HI	01.08.2022 TO 05.08.2022	5	FACULTY DEVELOPMENT PROGRAM	DESIGNING AND MODELLING OF IOT, AI & ML SYSTEMS
4	A. HARITHA	01.08.2022 TO 05.08.2022	5	FACULTY DEVELOPMENT PROGRAM	DESIGNING AND MODELLING OF IOT, AI & ML SYSTEMS
5	CH.DIVYA	22-08-2022 TO 26-08-2022	5	FACULTY DEVELOPMENT PROGRAM	NANOSENSORS & DEVICES
6	CH.DIVYA	01.08.2022 TO	5	FACULTY DEVELOPMENT	DESIGNING AND



		05.08.20 22		PROGRAM	MODELLING OF IOT, AI & ML SYSTEMS
7	CH.DIVYA	22-08- 2022 TO 27-08- 2022	5	FACULTY DEVELOPMENT PROGRAM	AMAZON WEB SERVICES
8	S.SWATHI	25.07.20 22 TO 14.10.20 22	12 WEEK S	NPTEL-FACULTY DEVELOPMENT PROGRAM	INTRODUCTION TO IOT
9	DR. P.VENKATA LAVANYA	25.07.20 22 TO 14.10.20 22	12 WEEK S	NPTEL-FACULTY DEVELOPMENT PROGRAM	DEEP LEARNING
10	K. SHALINI	08.08.20 22 TO 13.08.20 22	6	FACULTY DEVELOPMENT PROGRAM	PROGRAMMING ESSENTIALS IN PYTHON

STUDENT BULLETIN

STUDENT PLACEMENTS

S. NO	NAME OF THE STUDENT	ROLL NO	NAME OF THE COMPANY	APPOINTMENT NO / DATE	PACKAGE
1	RAMANA REDDY BAIREDDY	19K91A04 15	COGNIZANT	2-DEC-22	\$
2	AKHIL CHERUKU	19K91A04 32	COGNIZANT	25-NOV-22	4 LPA
3	DANY DAVID GANUPALLY	19K91A04 56	COGNIZANT	25-NOV-22	4 LPA
4	GOSHIKA AMARNATH	19K91A04 59	MEDIAMINT	30-DEC-22	\$



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society , Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



5	KANDURI VINEETH KUMAR	19K91A04 83	PURE SOFTWARE	31-JUL-22	4 LPA
6	OMER FAROOQ MOHAMMED	19K91A04 B1	COGNIZANT	25-NOV-22	4 LPA
7	HARSHIT NARENDULA	19K91A04 C2	COGNIZANT	25-NOV-22	4 LPA
8	ANIL KUMAR REDDY SENAGAPALLY	19K91A04 F1	COGNIZANT	20-DEC-22	\$
9	AFREEN SHAIK	19K91A04 F2	COGNIZANT	16-AUG-22	\$
10	SRAVANI BHADRA CHALAVASULU NARRA	19K91A04 F9	COGNIZANT	25-NOV-22	4 LPA
11	VAJRAPU MADHURI	19K91A04 H6	COGNIZANT	2-DEC-22	\$
12	YADHALA LIKITHA	19K91A04 J0	COGNIZANT	2-DEC-22	\$
13	JAIVARDHAN REDDY YELMA	19K91A04 J5	COGNIZANT	25-NOV-22	4 LPA
14	MANUKA VASHMITHA	20K95A04 32	COGNIZANT	25-NOV-22	4 LPA
15	MULA YUVANA	20K95A04 37	COGNIZANT	25-NOV-22	\$
16	POREDDY SAI CHARAN REDDY	20K95A04 47	COGNIZANT	25-NOV-22	4 LPA
17	RAJEEV PRANAV TUNGUTURI	20K95A04 51	COGNIZANT	25-NOV-22	4 LPA



**STUDENTS ATTENDED TECHNICAL EVENTS OUTSIDE OF THE
COLLEGE :**

S.N O	STUDENT NAME	NAME OF THE EVENT	INSTITUTE NAME & ADDRESS	DURATION
1.	M D THOUFIQUE RAHMAN	C- PROGRAMMIN G	PIMPRI CHINCHWAD POLYTECHNIC COLLEGE, PUNE	Dec/22
	MADDIRALA SHREYA			
	RAGAM SHIVA KUMAR			
	RAINENI SAI RAM			
	RANABOTHU ASHOK REDDY			
	MANTHENA SAITEJA			
	SHAIK AFREEN			
2.	SHAIK SAMEER	COVID-19 AWARENESS PROGRAMME	SRINIVASA INSTITUTE OF TECHNOLOGY &SCIENCES, KADAPA	21/Oct/22
	THANNERU MANASA			
	THIRUMANI SHIVA KUMAR			
	THOKALA SHIRISHA			
3.	CHALLA ANIL	DESIGN OF WEARABLE FOR HEALTH CARE	VELAMMAL ENGINEERING COLLEGE, CHENNAI	04/Jul/22
	CHALLA PRADEEP REDDY			
	CHELLAM			



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society , Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



	AKHIL			
	CHERUKU AKSHAYA			
	CHOLLETI BHISHMA KARAN			
	GAJABHINKAR DHEERAJ			
	KOLIPAKA VAISHNAVI			
	MADUPU ROHITHA			
4.	PATHAKUMURI SAI NEELIMA	ROBOTICS AND AUTOMATION	GOVERNMENT COLLEGE OF WOMENS,MANDYA,KARNAT AKA	Jul/22
	PARIPELLI SHIVA SAI TEJA			
	THUNAGAR THARUN			
	TRINA XAVIER			
	VISLAVATH NEERAJ			
	RACHURI DHATRIKA			
	KAKKULA HARSHA VARDHAN SAGAR			
5.	AVULA NEHA REDDY	JAVA PROGRAMMIN G	VAAGDEVI INSTITUTE OF TECHNOLOY AND SCIENCES	Nov/22
	AKUTHOTA HARSHITHA			
	DHANAVATH			



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society , Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



	LAXMAN			
	DODLA KEERTHI REDDY			
	ANANTHU NAVYA			
	GAJABHINKAR DHEERAJ			
	GANUPALLI DANY DAVID			
	INTURI CHALMA REDDY			
	JAJALA NAVEENA			
	KONGARI DHARANI			
	PASUPULETI VINEELA			
	RAINENI SAI RAM			
	MUNURU DIVYA			
	N SRUTHI			
	NENAVATH SURESH			
	RAVI			
	S NANDINI			
	THAK AMANRAJ			
	VUYYALA NISHANTH			



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Sponsored by TKR Educational Society , Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



	KAKKULA HARSHA VARDHAN SAGAR			
6.	B LIKHITHA	INTERNET OF THINGS	BV RAJU INSTITUTE OF TECHNOLOGY	Dec/22
	ANANTHU NAVYA			
	BEJJANKI SHARVANI			
	DASARI ARAVIND			
	GANGADHARI AKHIL			
	KAMBLE ANUJA			
	JADA HARIKA			
	KOLIPAKA VAISHNAVI			
	MACHANAPALL I KUSHAL			
	MALLELA AKHIL			
	MALOTHU ANAND			
	MIRYALA PRATHYUSHA			
	NALIMELA DIVYA			
	N SAI BHARGAV			
7.	NENAVATH SURESH	ARTIFICIAL INTELLIGENCE	VAAGDEVI INSTITUTE OF TECHNOLOGY AND SCIENCES	08/11/2023



	BINGI PRADEEP			
	TRINA XAVIER			
	VELLANKI SRIDATTA MURTHY			
	GAJULA VASANTH KUMAR			
	KAKKULA HARSHA VARDHAN SAGAR			

NSS Activities Following are the NSS activities conducted by NSS Unit, TKRCET in the year 2022

- 1. On 01/07/2022 the NSS volunteers participated and volunteered for the “JAGANATH RATH YATRA” organized by JNTUH in association with ISKON KUKATPALLY.**
- 2. On 27/08/2022, the NSS UNIT organized the “BLOOD DONATION CAMP” at MIDHANI DEPOT organized by the government of Telangana.30 students donated blood on that day and 5 NSS volunteers have participated in the event.**
- 3. On 11/08/2022, the NSS UNIT collected RAKHIS from staff and students for distributing to the soldiers on occasion of RAKHI. This event was organized in association with SAMSKRUTHI Foundation.**
- 4. On 12/08/2022, the NSS UNIT visited Bowenpally cantonment and Golconda cantonment and tied RAKHIS to the soldiers as a part of the event “RAKHI FOR SOLDIERS” organized by SAMSKRUTHI Foundation.**
- 5. On 05/09/2022 the NSS UNIT organized TEACHERS DAY in the college.**



6. On 15/09/2022 The NSS unit celebrated **ENGINEERS DAY** in the college premises and the celebrations were graced by the management, staff and around 200 students of college.
7. On 17.09,2022, the NSS Unit organized **JATTEYA SAMAIKYATA DINOTSAVAM** celebrations in the college premises which were graced by the management, principal staff and all students of the college.
8. On 24/09/2022, as a part of NSS day, the NSS Unit organized a **CLAEN AND GREEN** program and taken a rally as a part of it. Technical and cultural events were also organized in which 100 students participated
9. On 23.11.2022. The NSS UNIT organized the “**BLOOD DONATION CAMP**” in association with the **RED CROSS Society**. Around 240 samples were donated by the students and staff of the college.

TOPPERS

S.NO	ROLL.NO	NAME OF THE STUDENT	CGPA
1	19K91A0430	CHANDA JAYANTH	9.19
2	19K91A04F1	SENAGAPALLY ANIL KUMAR REDDY	8.91
3	19K91A04J6	YESHABOINA PRASANNA LAXMI	8.89