



NEWSLETTER DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

THE DIGITAL DISPATCH THE ENGINEERING DIGEST



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CONTENTS OF THE NEWSLETTER

PREFACE

MESSAGE FROM MANAGEMENT

MESSAGE FROM PRINCIPAL

EDITORIAL

ABOUT THE DEPARTMENT

ACADEMIC EXCELLENCE

NEWS/ACHIVEMENTS

Read More on our website

PREFACE

Step into our electrifying digital world, where innovation comes alive! Welcome aboard our newsletter, crafted by the genius minds of our Computer Science Engineering family. These pages are overflowing with the rhythm of innovation, the beat of code that blasts through the limits of imagination, and the harmony of bytes conducting the future. It's a glimpse into a world where circuits hum tunes of possibility, algorithms write stories of transformation, and pixels paint the canvas of our dreams. This newsletter is not just a collection of words; it's a symphony of our collective aspirations, a testament to our unyielding pursuit of knowledge and passion for discovery. It bridges the gap between the analog past and the digital present, and takes us on a quantum leap towards the uncharted horizons of tomorrow. From unraveling the mysteries of AI to navigating the complexities of cybersecurity, from celebrating our budding developers to exploring the frontiers of software engineering, this newsletter reflects our shared journey - a compass guiding us through the ever-evolving landscape of technology. We are grateful to our contributors, the guiding lights of our faculty, and the unwavering support of our peers. Together, we light up the path towards innovation, creating a community where ideas flourish and creativity knows no bounds. So, dear readers, buckle up as we embark upon this electrifying adventure. Let these pages fuel your curiosity, ignite conversations, and inspire you to be the architects of the digital age. Welcome aboard! The journey starts now.

MESSAGE FROM MANAGMENT



SRI TEEGALA KRISHNA REDDY
CHAIRMAN



SRI TEEGALA HARINATH REDDY
SECRETARY



SRI TEEGALA AMARNATH REDDY
TREASURER

"Unlock the code to innovation with our branch of Computer Science & Engineering! Our brilliant minds are shaping the future, one algorithm at a time. Join the journey of discovery, where bytes become breakthroughs. Embrace the power of knowledge, where tomorrow's tech leaders are born today. Dive into the digital revolution!"

MESSAGE FROM PRINCIPAL

DR.D.V. RAVI SHANKAR PRINCIPAL-TKRCET



"As the College Principal, I'm thrilled to witness the boundless potential within our Computer Science Engineering realm. Here, innovation isn't just a word; it's a lifestyle. Embrace the fusion of logic and creativity, for it births groundbreaking solutions. Our community breeds pioneers, shaping tomorrow's tech landscape. Let curiosity be your compass, resilience your fuel, and knowledge your armor. Remember, every line of code is a step toward progress. Together, let's amplify our impact, leaving an indelible mark on the digital frontier. Your journey here isn't just about learning; it's about pioneering the future. Seize every opportunity, and let's thrive together!"

molestie quis nisi vitae auctor.

Lorem ipsum dolor sit amet,
consectetur adipiscing elit.
Vivamus ante felis,

EDITORIAL

DEAR ENTHUSIASTS,

"Welcome to the pulse of innovation! Within these pages, discover the collaborative synergy between our esteemed faculty and visionary student coordinators. Together, we traverse the ever-evolving landscape of Computer Science Engineering, nurturing creativity, and fostering excellence. Our journey isn't just about acquiring knowledge; it's about applying it to redefine boundaries. From groundbreaking research to dynamic events, witness our collective passion for innovation. We invite you to join this vibrant community, where expertise meets enthusiasm, and together, we sculpt the future. Embrace the spirit of exploration, for here, possibilities are limitless, and brilliance knows no bounds."

FACULTY
COORDINATORS

P .PRASHAMSA
Assistant Professor

STUDENT
COORDINATORS

CHANDRA SHEKAR
23K91A05C3

MANIKESH
23K91A05C0

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ABOUT THE DEPARTMENT

DR. A. SURESH RAO
VICE-PRINCIPAL DEAN ACADEMICS
HEAD OF DEPARTMENT-CSE



"Welcome to the vibrant hub of technological evolution at TKR College of Engineering and Technology! Established in 2002, our Computer Science Department, led by the visionary Dr. A. Suresh Rao, is a Professor in the Department of Computer Science & Engineering and was conferred with the PhD Degree in Computer Science & Engineering from NIT Warangal, in the year 2015. He is currently the Vice Principal, Dean of Academics and Head of the Department of Computer Science and Engineering at TKRCET. His experience spans across a period of 20 years; stands as a beacon of innovation and excellence. Nestled at the crossroads of tradition and cutting-edge technology, our department thrives on pioneering research, avant-garde teaching methodologies, and a commitment to shaping future tech leaders. Our state-of-the-art labs, driven by a dynamic curriculum, foster a culture of creativity and problem-solving. Join us in exploring the endless possibilities in the ever-evolving landscape of computer science, where innovation knows no bounds!"

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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."

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FACULTY BULLETIN

PUBLICATIONS

P. RAJYALAKSHMI presented a paper on “ Quantum-Optimized Probabilistic U- Net With Quantum Entropy Calibration and Active Annotation for Reliable Sparse- Label MRI Brain Lesion Segmentations” Volume 13, 2025 (Date of Publication: December 1, 2025) accepted 22 November 2025 . Scholar Department of CSE, TKR College of Engineering and Technology, Hyderabad 500097, India.

P. RAJYALAKSHMI presented a paper on “Neurocomputing“IFMXCN: Intellectual flow map-based explainable deep learning model for Alzheimer’s disease detection using multimodal input Accepted 19 November 2025.Date of Publication: 20 NOVEMBER 2025 ISSN : 0925-2312 Scholar Department of CSE, TKR College of Engineering and Technology, Hyderabad 500097, India .

K.NAGA MAHA LAKSHMI presented a paper on “ A Fused Attention-Guided Neuro-Reasoning Framework for Explainable Brain Tumor Classification from Multi-View MRI “ Year of Publication : 2025 Scholar Department of CSE, TKR College of Engineering and Technology, Hyderabad 500097, India .

FACULTY DEVELOPMENT PROGRAM



M THANMAYEE has participated in 6 Days faculty development program on AGENTIC AI (BUILDING AUTONOMOUS INTELLIGENT SYSTEM) organized by Innomatics Research Labs from 22nd DEC 2025. to 27th DEC 2025.

NAKKA PADMAVATHI, Assistant Professor of TKRCET has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Forensic cybersecurity-concept, research, trends, process, challenges, policy and compliance at ST. ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY from 10th Nov 2025 to 15th Nov 2025.

MEENAKSHI VARAKALA has participated in 5 days faculty development program on Generative AI organized by Brainovision solution India Pvt ltd from 4th August 2025 to 8th August 2025.

PAVANI VASANNAGARI has participated in 11 days faculty development program on The art and science of successful proposal writing - techniques, strategies, and best practices from 27th Oct 2025 to 6th Nov 2025 organized by Department of ECE, CSE & IT, CVR COLLEGE OF ENGINEERING, HYDERABAD.

Mrs. POLEPAKA PRASHAMSA has participated in the 5-Days NATIONAL LEVEL ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) on Next-Gen Farming: Leveraging Quantum Technologies for Agri-innovation held from 17-11-2025 to 21-11-2025 Organized by Department of Artificial Intelligence and Data Science.



WORKSHOPS

MEENAKSHI VARAKALA, has participated in 2 days workshop on GenAI and EEG-Based Emotion Detection”, organized by Department of Computer Science and Engineering in association with the IEEE Student Branch (STB60030787) , TKR College of Engineering and Technology, Hyderabad, held on 1st & 2nd August 2025.

D V V Deepthi has participated in the Workshop on Pioneering Safe Cyberspace: Bridging Technology and Light for Security" held on 05th July 2025 at Joginpally B. R. Engineering College, Hyderabad. and the IEEE WIE Day Celebrations jointly organized by the IEEE Student Branch JBREC, IEEE WIE JBREC and the Women Empowerment Cell, JBREC on the theme

Mrs.POLEPAKA PRASHAMSA has actively participated in 1 Day STTP program entitled “Research Outcomes: Methods, Impact & Future Directions” organized by Department of Electronics and Communications Engineering in collaboration with IEEE Student Branch (STB60030787), TKRCET and in association with Virtual Speaker Bureau IEEE Los Angeles Section, IEEE CAS/RAS joint chapter(SBC60030787) held on 26th of November

NPTEL CERTIFICATION

KUNCHAKURI ANUSHA has completed a NPTEL online certification on “Introduction to Machine Learning” - IIT KHARAGPU on JUL-SEP 2025

K SUDHA RANI has completed a NPTEL online certification on “ Introduction to Algorithms and Analysis”- IIT KHARAGPUR held on JUL-OCT2025

RNLS KALPANA has completed a NPTEL online certification on “CLOUD COMPUTING ”- IIT KHARAGPUR held on JUL-OCT 2025

KUNCHAKURI ANUSHA has completed a NPTEL online certification on “Introduction to Machine Learning” - IIT ROPAR on JUL-SEP 2025





NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
KUNCHAKURI ANUSHA
for successfully completing the course

Introduction to Machine Learning

with a consolidated score of **56** %

Online Assignments	23.21/25	Proctored Exam	33.16/75
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Total number of candidates certified in this course: **9715**

Jul-Sep 2025
(8 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL25CS149S637005080 To verify the certificate

No. of credits recommended: 2 or 3

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
K SUDHA RANI
for successfully completing the course

Introduction to Algorithms and Analysis

with a consolidated score of **64** %

Online Assignments	21.88/25	Proctored Exam	42/75
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Total number of candidates certified in this course: **1059**

Jul-Oct 2025
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL25CS150S1158204022 To verify the certificate

No. of credits recommended: 3 or 4

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
KUNCHAKURI ANUSHA
for successfully completing the course

Deep Learning - IIT Ropar

with a consolidated score of **67** %

Online Assignments	23.69/25	Proctored Exam	43.5/75
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Total number of candidates certified in this course: **4623**

Jul-Oct 2025
(12 week course)

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Indian Institute of Technology Madras

swayam

Roll No: NPTEL25CS106S458204843 To verify the certificate

No. of credits recommended: 3 or 4

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
RNLS KALPANA
for successfully completing the course

Cloud Computing

with a consolidated score of **64** %

Online Assignments	24.25/25	Proctored Exam	39.58/75
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Total number of candidates certified in this course: **27874**

Jul-Oct 2025
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL25CS107S458207279 To verify the certificate

No. of credits recommended: 3 or 4

STUDENT BULLETIN



We are excited to announce the establishment of the IEEE Student Branch at TKRCET! This branch is a gateway for students to connect with the global IEEE community, gain access to cutting-edge technological resources, and participate in transformative professional development opportunities. Through workshops, technical projects, competitions, and networking events, the IEEE Student Branch empowers students to enhance their skills, collaborate on innovative ideas, and contribute to advancements in technology. Join us to explore, innovate, and excel with IEEE as we pave the way for a brighter future in science and engineering!

Mrs. K. Naga Maha Lakshmi from the CSE Department serving as the overall coordinator.

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MSME Hackathon 2025

