

EDITION-1
JAN-JUNE
2024



TKR COLLEGE OF ENGINEERING &
TECHNOLOGY



The Digital Dispatch

THE ENGINEERING DIGEST

NEWSLETTER

DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING



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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.

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MESSAGE FROM MANAGEMENT



**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!"

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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!"

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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

Dr. K. Satish Kumar
(Associate
Professor)

**Mrs. K. Shirisha
Reddy**
(Assistant
Professor)

STUDENT COORDINATORS

Vuthur Shivathmika
(22K91A05Q8)

Vubbala Aryan Sriram
(22K91A05Q7)

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ABOUT THE DEPARTMENT

Dr. A. Suresh Rao

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 the 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."

**BACHELOR OF
TECHNOLOGY**

*KANUKURTHI MOUNIKA from IV Year, bearing Roll
Number 20K91A0577-, has topped the class with an
impressive CGPA of 8.59*

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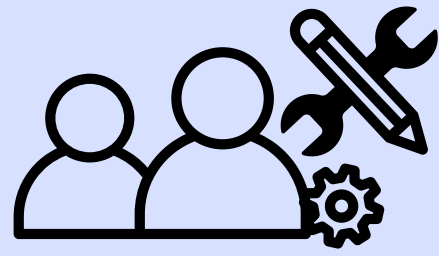
NEWS & ACHIEVEMENTS

FACULTY BULLETIN

We are thrilled to share that our esteemed faculty members have been awarded a patent for their innovative research and contribution to the field .This achievement highlights their dedication and excellence in advancing knowledge and technology. Congratulations!

Dr. D. Anitha Kumari with patent titled “ML based aproach for exploring urban demand for agricultural products, urban farming, and rural-urban migration”

V. Pavani with patent titled “A Novel method of classification of an ultra sound images for gallbladder disease using multi-svm classifier”

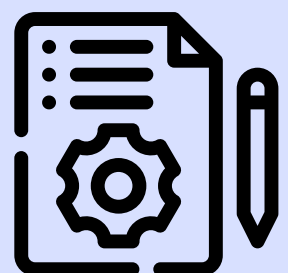


Conference Publications

Promod Reddy A, Shirisha Reddy K and Pragathi V, presented a conference paper titled “A Hierarchical Network-Based Facial Recognition System for a Smart Door Lock Application “ in Proceedings of International Conference on Innovations, Challenges and Solutions in Engineering Science and Technology (ICICSET’24) in the month of May 2024.

P Laxmi Prasanna. presented a paper on “Exploring Machine Learning Algorithms for Robust Cyber Threat Detection and Classification: A Comprehensive Evaluation.” In International Conference on Intelligent Systems for Cybersecurity (ISCS) on May 2024, Published by IEEE.

K Shwetha Rani has attended a one day national conference on “Recent advances in intelligent computing 2024” held on 23 March 2024.





Faculty development Program

Bhaskara Nandini has successfully completed Five day faculty development on “ Data science applications in real world using python” organised by department of CSE Indira college of engineering and management, Pune, during 18th march to 22 march 2024.

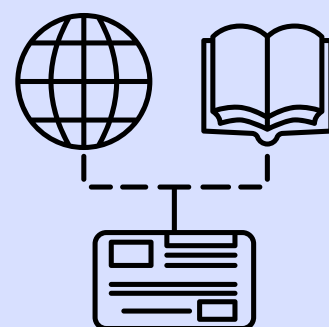
Bhaskara Nandini has participated in 5 day online FDP on “ AI insights: Predictive power of ML, DI &NLP. Organised by department of AIML Spoorthy engineering college, held from 14-5-2024 to 18-5-2024.

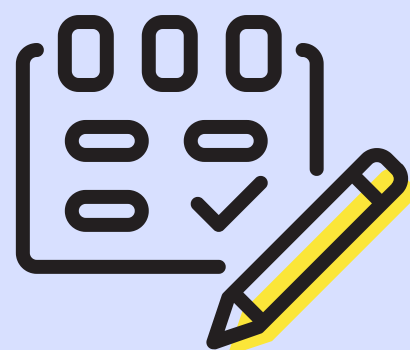
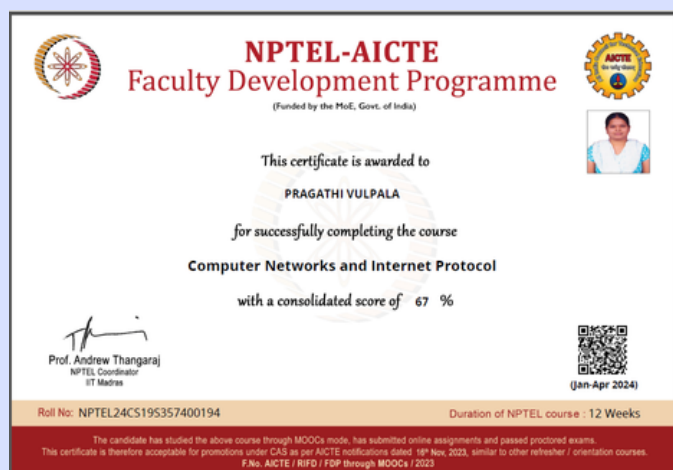
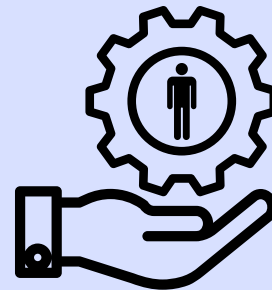
NPTEL Certification

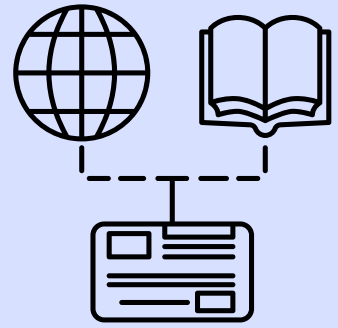
V Pavani has completed a NPTEL online certification on “Computer networks and Internet protocol” held on JAN-APRIL 2024.

V Pragathi, has completed a NPTEL online certification on “Computer networks and Internet protocol” held on JAN-APRIL 2024.

M Thanmayee, has completed a NPTEL online certification on “Computer networks and Internet protocol” held on JAN-APRIL 2024.







Workshops

P Venkata Kishan Rao , has successfully participated in the “4th One-Week International Workshop on Technical Writing using LaTeX (Online)”. The Workshop is organized by the School of Electronics Engineering (SENSE) and Technically Co-Sponsor by VIT-AP IEEE SB and MTT SBC, at VIT-AP University, Amaravati, India during 30th Mar- 5th Apr, 2024.

B. Naga Nandini has participated in one day workshop on “Research Inclination towards NIRF”, conducted on 26th june 2024 and organised by research and development Innovation cell, TKRCET.

P.Venkata Kishan Rao, has participated in the first workshop of the series, titled "Artificial Intelligence Workshop," held on April 19-20, 2024.

DVV Deepthi has participated in one day workshop on “Research Inclination towards NIRF”, conducted on 26th june 2024 and organised by research and development Innovation cell, TKRCET.

P.Prashamsa has successfully participated and completed the 1 day workshop on artificial intelligence and machine learning organised by department of computer science and information technology, Janardan Rai Nagar rajasthan vidyapeeth in association with PANTECH E Learning PVT.LTD. on 19-6-2024.

G.Jyothi has participated in one day workshop on “Research Inclination towards NIRF”, conducted on 26th june 2024 and organised by research and development Innovation cell, TKRCET.

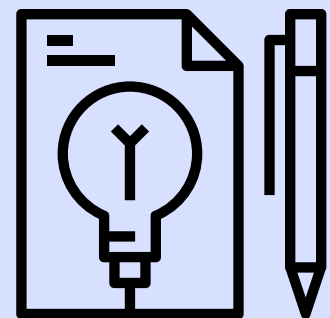
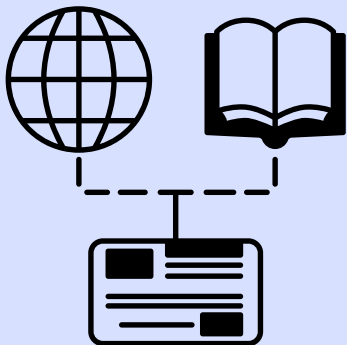
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STUDENT BULLETIN

A workshop on Cyber Security and Emerging Technologies was successfully conducted from 18 Mar to 20 Mar for III year students , the session featured Dr.Sk.Zumlesha who shared valuable insights on Emerging threats in cybersecurity and Trends shaping future technologies

K. Krishna Chaitanya (22K91A0558) and G. Shiva Prasad Reddy (22K91A0584), both students of II-II, participated in the CSI-MVSREC Fusion 2024 Hackathon held at MVSR, Hyderabad, on 4th January 2024. Demonstrating their exceptional skills and teamwork, they secured the 2nd prize in the competition.





PLACEMENT DETAILS

A total of 32 students have successfully secured placements at Savantis.

A total of 11 students have successfully secured placements at ExcelR Edtech Pvt