



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

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



ELECTRICAL AND ELECTRONICS ENGINEERING

NEWS LETTER

Frequency: 6-months

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1. PREFACE

It gives us immense pleasure to present the latest edition of the Electrical and Electronics Engineering Department Newsletter. This publication serves as a vibrant platform to showcase the achievements, innovations, and activities of our students, faculty, and staff, while also highlighting recent developments in the ever-evolving world of Electrical and Electronics Engineering.

In this fast-paced technological era, the role of Electrical and Electronics engineers has become more critical than ever. From advancements in power systems and embedded technology to breakthroughs in automation and renewable energy, our department continues to stay at the forefront of academic excellence and research innovation.

This newsletter is a reflection of our collective efforts — featuring technical articles, project highlights, research contributions, industrial visits, workshops, guest lectures, and student accomplishments. It is a celebration of curiosity, creativity, and collaboration within our department.

We extend our heartfelt gratitude to the editorial team, contributors, and all those who supported the making of this issue. Their dedication and hard work have made this publication possible.

We hope this newsletter not only informs but also inspires readers to engage more deeply with the exciting field of Electrical and Electronics Engineering. May it serve as a testament to our department's commitment to learning, growth, and innovation.

Happy Reading!

2. 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 Electrical and Electronics Engineering! Our brilliant minds are shaping the future, one algorithm mat a time. Join the journey of discovery, where bytes become breakthroughs. Embrace the power of knowledge, where tomorrow's tech leaders are born today. Devein to the digital revolution!"

3. MESSAGE FROM THE PRINCIPAL



Dr. D.V. RAVI SHANKAR

PRINCIPAL-TKRCET

"As the College Principal, I'm thrilled to witness the boundless potential within our Electrical and Electronics 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 arm or. 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!"

4. 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 meet 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. Raju
(Associate Professor)

Mr. P. Veeraraghava Reddy
(Assistant Professor)

STUDENT COORDINATORS

D. HANISH GOUD

5. ABOUT THE DEPARTMENT



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Dr. K. RAJU
HEAD OF DEPARTMENT-EEE

"Welcome to the vibrant hub of technological evolution at TKR College of Engineering and Technology! Established in 2002, The Department of Electrical Engineering, established in 2002, initially offered a B. Tech program in Electrical & Electronics Engineering. To diversify and provide industry-oriented training at the postgraduate level, the department introduced M. Tech courses in Power Electronics in 2010. Currently, Research efforts are focused on various areas within Electrical Engineering, such as Power Systems, Power Electronics and Drives, Power Converters, High Voltage Engineering, Control Systems, Artificial Intelligence Techniques, Renewable Energy Resources, Electric Vehicles, and software tools like ETAP, MATLAB, Ansys, and Python.

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

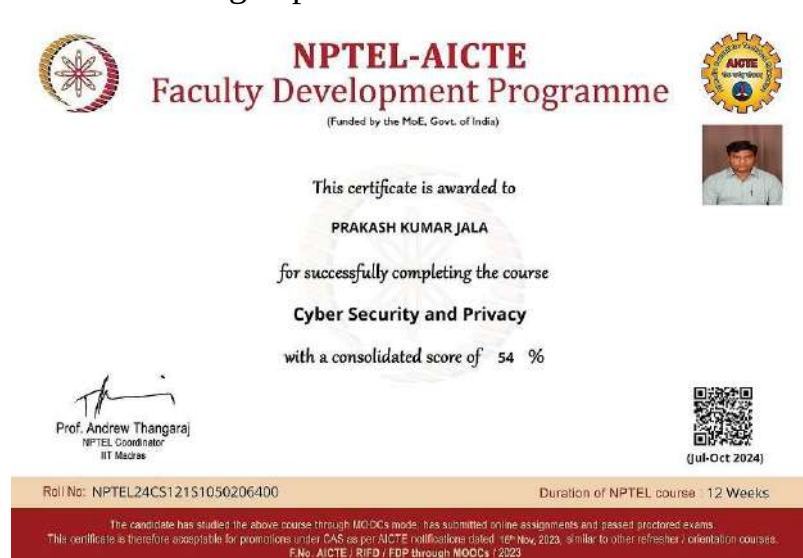
Ayudha Puja and **Bathukamma** was celebrated on 05/10/2024; Durga Devi Mandapam was specially decorated the visitor have appreciated the uniqueness of arrangements..



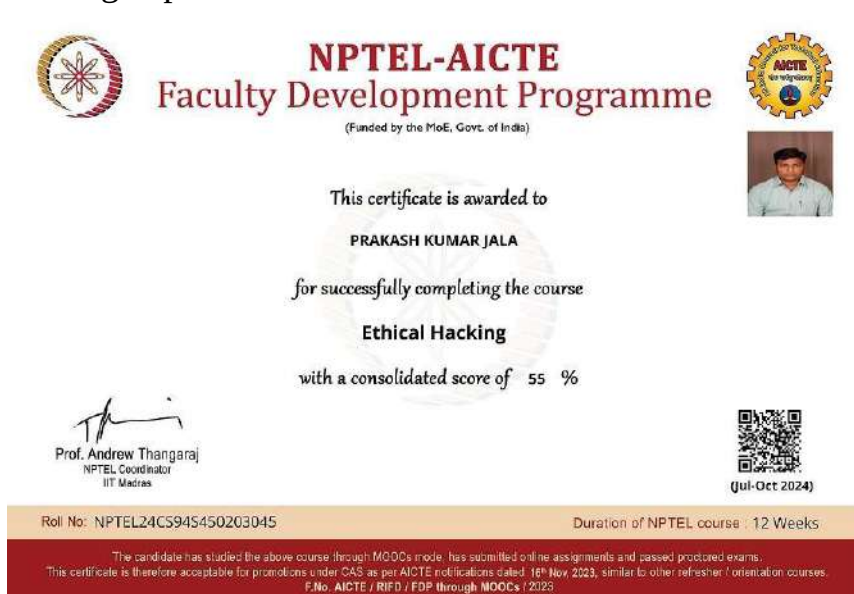
FACULTY DEVELOPMENT PROGRAMMES

- 1.** Mr P. Veeraraghava Reddy Asst.Professor was attended FDP on **One Week Online FDP Sustainable Energy Technologies and Green Mobility : Present Status and Future Prospects** on 12-09-2024 to 16-09-2024.
- 2.** Mr Govindrao Asst. Professor was attended FDP on **Two Week Online FDP On Transforming Education :Integration OBE and NEP 2020** on 22-07-2024 to 02-08-2024.
- 3.** Mr P. Veeraraghava Reddy Asst. Professor was attended FDP on Next Generation Green Energy Power Electric Vehicle and Renewable Energy Integration using Solar Micro Grid on 09-12-2024 to 14/12/2024.
- 4.** Mr. A Anjaiah was attend **MATLAB EXPO2024** on **13-11-2024 to 14-11-2024**

1. I Prakash Kumar Jala Recently received for my participation in the NPTEL titled Cyber Security and Privacy, which took place on July- October 2024. I receiving this certificate have been an enriching experience.



2. I Prakash Kumar Jala Recently received for my participation in the NPTEL titled Ethical Hacking, which took place on July- October 2024. I receiving this certificate have been an enriching experience.



1. I Prakash Kumar Jala Recently received for my participation in the NPTEL titled Responsible & Safe AI Systems, which took place on July- October 2024. I receiving this certificate have been an enriching experience.



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

PRAKASH KUMAR JALA

for successfully completing the course

Responsible & Safe AI Systems

with a consolidated score of **60 %**


Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jul-Oct 2024)

Roll No: NPTEL24CS132S750200023

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 16th Nov, 2023, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2023

1. **Mr. Polu Veeraraghava reddy** was attended a**International Conference on Computational Intelligence for Green and Sustainable Technologies (ICCIGST-2024)**, will be held in the Department of Electrical and Electronics Engineering, Velagapudi Ramakrishna Siddhartha Engineering College (VRSEC), Andhra Pradesh, India, during **July 18-19, 2024**.



1. The following B. Tech student was **Participation** various colleges in **VOLLEYBALL** .

Reg. No	Name of the Event	Name of the event	Place	Date	Result
21K91A0222	ANURAG UNIVERSITY CVSR COLLEGE (SPORTS MEET)	VOLLEYBALL	GHATKSAR HYDERABAD	20-11- 2023	PARTICIPATED
21K91A0211	SNIST SPORT MEET	VOLLEYBALL	HYDERABAD	20-11- 2023	PARTICIPATED
21K91A0211	7 TH TELANGANA STATE JUNIOR VOLLEYBALL CHAMPION	VOLLEYBALL	BHADRADRI	29-10- 2022 TO 1-11- 2023	RUNNERS
21K91A0211	VARDHAMAN COLLEGE SPORT MEET	VOLLEYBALL	HYDERABAD	22-12- 2023	PARTICIPATED
21K91A0222	VARDHAMAN COLLEGE SPORT MEET	VOLLEYBALL	HYDERABAD	23-12- 2023	PARTICIPATED

1. Mr. Raveena Sukishala was attend **MATLAB EXPO2024** on **13-11-2024 to 14-11-2024**



2. Mr. Sanjana Reddy Samreddy was attend **MATLAB EXPO2024** on **13-11-2024 to 14-11-2024**.



3. Mr. Bhavanaa Gorintla was attend **MATLAB EXPO2024** on **13-11-2024 to 14-11-2024**.

