

A Report on
One-day National Level Technical Symposium TERA 2K24
(TERA - Techno Fest on Electrical Revolutions and Advancements)
Organised by Department of Electrical and Electronics Engineering
In Association with IIC and IEEE Chapter, MITS
Date: April 2, 2024

Report Submitted by: Dr. Balaji Damodhar, Assistant Professor, Department of EEE; Mr. Saravanan D, Assistant Professor, Department of EEE & Mr. R Ramesh Kumar, Assistant Professor, Department of EEE.

Chief Guest Details: Er. Salai Manalan, Sr. Deputy General Manager, BHEL, Ranipet, Tamil Nadu.

Venue: MITS Auditorium

Time: 10:00 AM - 5:00 PM

Mode of Conduct: Hybrid Mode (Offline & Online)

Report Received on 16.04.2024

The Department of Electrical and Electronics Engineering at Madanapalle Institute of Technology & Science organized a one-day National Level Technical Symposium "TERA-2K24" on April 2nd, 2024. The inaugural ceremony of TERA – 2K24 set the stage for an intellectually stimulating and engaging symposium on electrical revolutions and advancements. The event, themed "**Techno Fest on Electrical Revolutions and Advancements,**" was inaugurated by the **Chief Guest Er. Salai Manalan, Sr. Deputy General Manager, Bharat Heavy Electricals Limited, Ranipet, Tamil Nadu.,** alongside Dr. C. Yuvaraj, Principal, MITS, Dr. A V Pavan Kumar Head of the Department EEE & Chief Convener, and Convener Dr. T S Balaji Damodhar.

Dr. A V Pavan Kumar, Head of the Department of EEE, welcomed the gathering with an opening address. Dr. C. Yuvaraj, Principal of MITS, delivered the inaugural address, followed by the chief guest's address. It was a true honor to have Er. Salai Manalan with us on April 2nd, 2024. His extraordinary speech not only motivated our students but also left a lasting impact on everyone present here. His journey and experiences have served as a beacon of inspiration for all of us, showing that with determination, hard work, and strategic career planning, we can achieve great heights in our professional lives. In his enlightening presentation on "Thermal Power Plant Operations and Accessories," drawing from his extensive experience at BHEL, his expertise provided valuable insights into the intricacies of power plant operations, setting the tone for the symposium's discussions on cutting-edge advancements in the field of electrical engineering. The vote of thanks for the inaugural ceremony was proposed by Dr. T S Balaji Damodhar, Assistant Professor, MITS.

About Chief Guest:

Er. Salai Manalan, a veteran of Bharat Heavy Electricals Limited (BHEL) since 1984, boasts a distinguished career spanning over three decades. His expertise in water systems engineering and thermal power plant operations has left an indelible mark, notably in the meticulous engineering of Air preheater components and the supply of Desalination Plants for drinking water. With a commitment to excellence evident in his leadership roles and technical presentations, he continues to drive innovation as Senior Deputy General Manager in Water Systems Engineering at BHEL, enriching both the industry and communities served.





Registered Participants:

TERA – 2K24 featured a range of technical events aimed at fostering innovation and research excellence. **The symposium attracted a 423 number of participants, both technical and non-technical, showcasing the widespread interest and enthusiasm for TERA – 2K24.**

Technical Events: 90 participants registered, including 44 teams for paper presentation, 30 teams for poster presentation, and 18 teams for the project expo, Technical Events were hosted in hybrid mode.

Non-Technical Events: A total of 323 participants registered, with varying numbers of teams participating in each event.

Events	MITS Participants	Other Participants	Total Participants
Technical Events			
Paper Presentation	20	22	42
Poster Presentation	17	1	18
Project Expo	17	13	30
Total	54	36	90
Non-Technical Events			
Events	MITS Participants	Other Participants	Total Participants
Quiz	14	2	16
Sky Bound Summit Sides	58	6	64
Passing Over Sticks	54	22	76
Crack a Word	39	15	54
Comical Pictures	17	6	23
Total	182	51	233
Total Participants (Technical & Non Technical)	241	87	323

All events were conducted concurrently, providing participants with a dynamic and immersive experience throughout the day.

<p style="text-align: center;">Paper Presentation</p> 	 <p style="text-align: right;">Paper Presentation</p>
<p style="text-align: center;">Project Presentation</p> 	 <p style="text-align: right;">Project Presentation</p>
<p style="text-align: center;">Poster Presentation</p>	<p style="text-align: center;">Poster Presentation</p>
	

Valedictory Ceremony:

The symposium concluded with a grand valedictory ceremony, where participants were honored for their exemplary performance and contributions. Dignitaries present at the ceremony included, Chief Convener: Dr. A V Pavan Kumar, HoD, EEE Dept., MITS, Madanapalle, Convener, Dr. T S Balaji Damodhar, Assistant Professor, MITS, Madanapalle, Chief Guest Dr. P Ramanathan, Vice-Principal (Academics), MITS, Madanapalle.

Dr. A V Pavan Kumar, Chief Convener welcomed the gathering, and Dr. T S Balaji Damodhar, Convener presented the symposium report. Chief Guest Dr. P Ramanathan, Vice-Principal (Academics) encouraged the student participants for their remarkable contributions, he motivated the students to take part in more technical events across the country with significant contributions of sustainability.

Winners across various categories were felicitated for their outstanding achievements by the dignitaries.

Paper Presentation:

1st Prize: P Vamsi Krishna, Mother Theresa Institute of Engineering and Technology, Palamaner.

2nd Prize: Tanakathi Shravya, Madanapalle Institute of Technology, Madanapalle.

Poster Presentation:

1st Prize: Ms. Bhuvana & Dathri Ramanvitha B, Madanapalle Institute of Technology, Madanapalle.

2nd Prize: Vineela Ramakkagari, Madanapalle Institute of Technology, Madanapalle.

Project Expo:

1st Prize: C Navya, Aditya College of Engineering, Madanapalle.

2nd Prize: Imran Basha and Team, Madanapalle Institute of Technology, Madanapalle.

Quiz:

1st Prize: Athika and Team, Madanapalle Institute of Technology, Madanapalle.

2nd Prize: Gnapika and Team, Madanapalle Institute of Technology, Madanapalle.

<p>Paper Presentation-1st prize</p>	<p>Paper Presentation-2nd Prize</p>
	
<p>Poster Presentation 1st prize</p>	<p>Poster Presentation-2nd Prize</p>
	
 <p>Project Presentation-1st prize</p>	 <p>Project Presentation-2nd Prize</p>
<p>Technical Quiz-1st prize</p>	<p>Technical Quiz -2nd Prize</p>
	

