



## Webinar On Sustainable Future Powered by Clean and Resilient Power and Energy Technologies

A Webinar on Sustainable Future powered by Clean and Resilient Power and Energy Technologies was conducted on 15<sup>th</sup> April 2022 on the occasion of PES Day 2022. Students had a wonderful and informative experience from the session where they learnt about various Clean Energy resources that can be used to protect our environment.

### Student Branch Mentor:

Dr. Atul Negi,  
Professor,  
School of CIS,  
University of Hyderabad

### Student Branch Advisor:

Dr. G. Kanaka Durga  
Principal and Professor,  
MVSR Engineering College.

### Student Branch Counsellor:

Dr. D. Hari Krishna,  
Associate Professor, EEE Dept.,  
MVSR Engineering College.

### Student Branch Executive Committee:

Chair	Mr. Ch. Sai Teja
Vice Chair	Mr. K. Uthej
Secretary	Mr. G. Surya Teja
Joint Secretary	Ms. S. Navya Sree
Treasurer	Mr. Mohammad Danish
Operating Committee Head	Ms. P. Sisira Reddy

### WIE Affinity Group:

Chair	Ms. Vibhava Sugur
Vice Chair	Ms. V. Sai Sri
Secretary	Ms. T. Rithika
Joint Secretary	Ms. M. Kathyayani
Treasurer	Ms. Akshaya Emmadi

### Power Energy Society:

Chair	Ms. T. Snigdha
Vice Chair	Mr. Vuppala Vivek
Secretary	Mr. K. Naga Seshu
Joint Secretary	Mr. Ankith Rama
Treasurer	Ms. Addu Vandana
Women in Power	Ms. B. Rajya Laxmi

### WIE Student Branch Advisor:

Mrs. A. Vijaya Vahini  
Assistant Professor, IT Dept.,  
MVSR Engineering College.

### PES Advisor:

Dr. D. Hari Krishna,  
Associate Professor, EEE Dept.,  
MVSR Engineering College.

### CS student branch advisor:

Mrs. B. Saritha  
Associate Professor, CSE Dept.,  
MVSR Engineering College.

### CASS Student Branch Advisor:

Mrs. S. Aruna  
Assistant Professor, ECE Dept.,  
MVSR Engineering College.

### Computer Society:

Chair	Ms. K. Laxmi Priya
Vice Chair	Mr. Syed Omer
Secretary	Mr. M. Hareen
Joint Secretary	Ms. Y. Manvitha
Treasurer	Ms. K. Aishwarya
Women in Computing	Ms. S. Nithya Santoshini

### Circuits & Systems Society:

Chair	Ms. P. Shruti
Vice Chair	Mr. N. Bhargava Saketh
Secretary	Mr. K. Hemanth
Joint Secretary	Mr. Gautham Purohit
Treasurer	Mr. DLN Srihith

### Operating Committees:

Publicity	Mr. N. Krishna
	Mr. Rafae Ahmed
Membership	Mr. P. Tarun Reddy
Design & Web Master	Ms. Hetalee Warad
Program	Mr. D.Parimal Kumar
	Ms. P. Phani Priya
	Mr. K Sai Kiran
Social Media & Content Writing	Ms. Ch. Sreeya
	Mr.N.Sriram

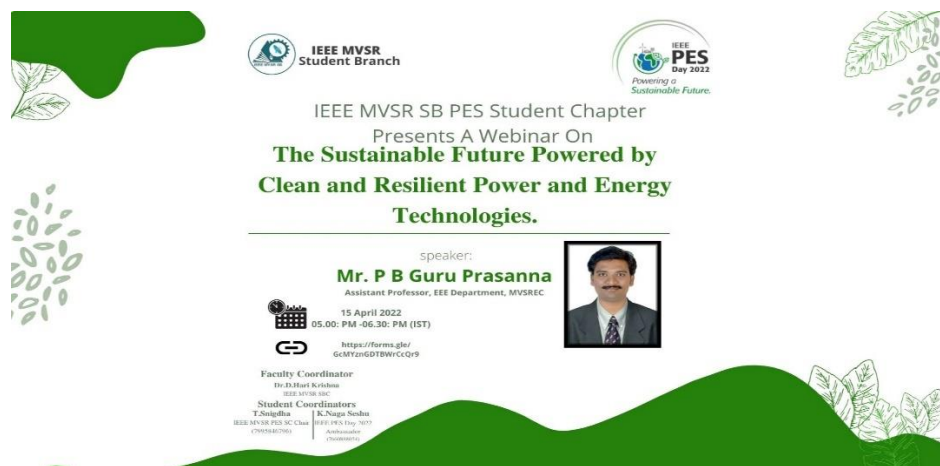
**Session Details:**

**Date:** 15<sup>th</sup> April 2022

**Timings:** 5:00 pm to 6:30 pm

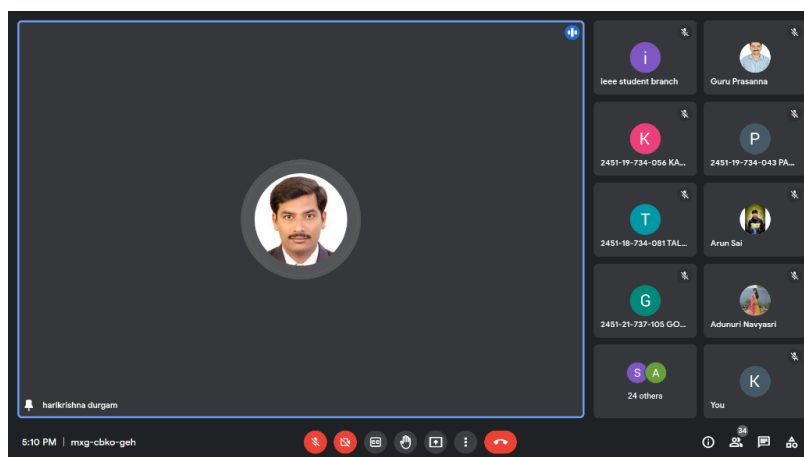
**Number of Participants:** 42

**Speaker for the session:** Mr. P.B.Guru Prasanna has completed his B.Tech from JNTU College of Engineering Anaparam in 2002, Post-graduation from JNTU College of Engineering, Hyderabad in 2008. At present, he is working on the smart grid to complete his research under Annamalai University. He has teaching experience of 18 years. His interested areas are Power Converters, Smart Grids, and Renewable Energy Technologies. he has guided many real-time projects for UG and PG students. He also co-authored a book on HVDC transmission systems.



**Flyer for the Event**

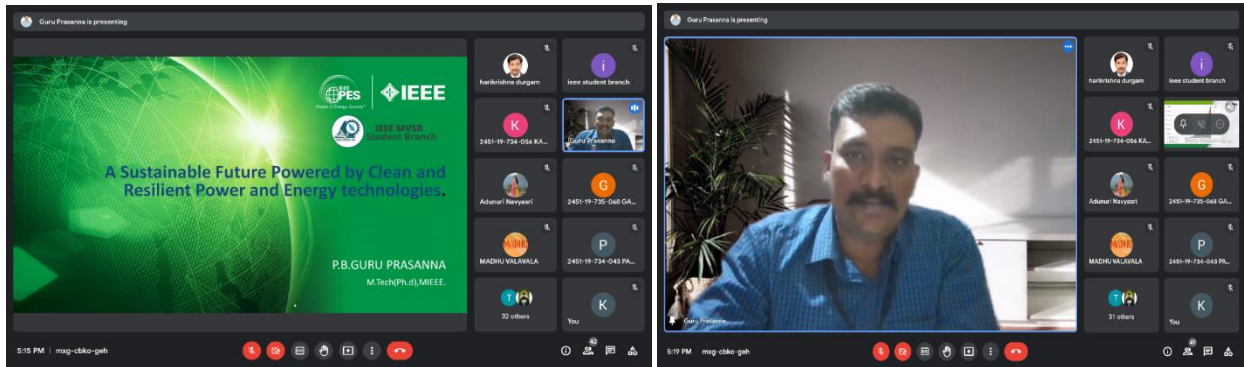
The event was commenced by Ms. T. Snigdha, IEEE MVSr SB PES Student Chapter Chairperson by welcoming Dr D. Hari Krishna, IEEE MVSr SB Student Branch Counsellor, IEEE MVSr PES Student Chapter Advisor; Mr. I. Narasimha Swamy, EEE department faculty coordinator; all the Executive Committee members and attendees. Then she presented the agenda of the meeting. Later, Dr D. Hari Krishna addressed the meet.



**Dr. D. Hari Krishna addressing the meet**

Dr. D. Hari Krishna firstly congratulated Mr. Naga seshu and Ms. Vandana for getting selected as PES Day 2022 Ambassadors. He briefed about the past ambassadors and the events they organized. He also briefed about the upcoming annual flagship event of IEEE MVSr SB i.e., TECHNOVANZA 2022.

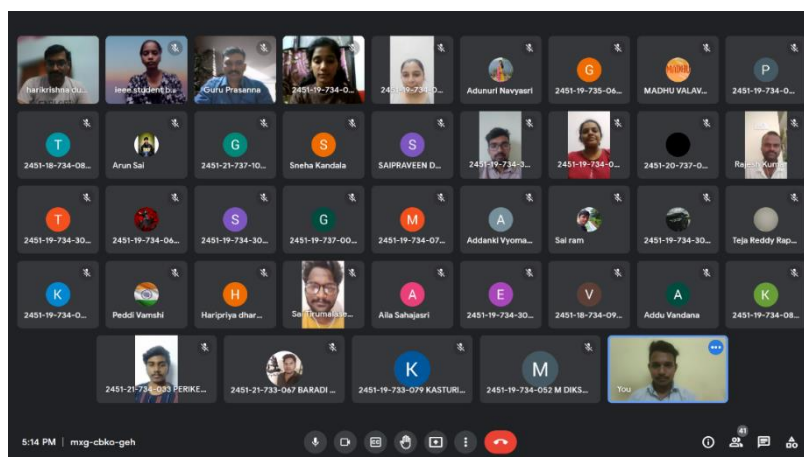
Later, he went on to give a brief introduction about how Clean Energy Technologies are needed for a sustainable future and how a lot of research and development has to be done in such technologies for the benefit of the environment and mankind in the future. He invited the speaker of the evening, Mr. P B Guru Prasanna, Assistant Professor, EEE Department, MVSR Engineering College.



**Mr. P B Guru Prasanna delivering the webinar**

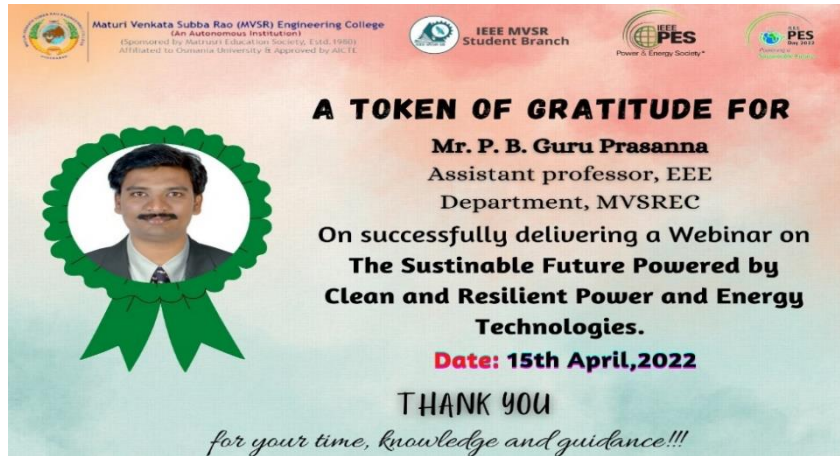
Mr. P B Guru Prasanna began the lecture by first talking about the various Renewable and Clean Energy technologies in the current world and the numerous professions surrounding them. All the students had an insightful look into the multiple opportunities around them and how they can help the environment along with upskilling the careers, by learning more about these technologies. He also talked about the promises and challenges of Hydrogen fuel cells and how they would help in decarbonization.

Mr. P B Guru Prasanna shared some of the statistics regarding clean energy usage, improvement in sustainable energy technologies, and clean energy technologies. He explained about fusion energy and methene and how they contribute to clean energy production. He briefed about the battery storage and green hydrogen. Mr. P B Guru Prasanna gave an insight into the career opportunities related to sustainable power generation.



**Participants of the session**

Later, the session was kept open for Q & A, Mr. P B Guru Prasanna answered all the queries raised by the attendees. Then Mr. K Naga seshu, IEEE PES Day 2022 Ambassador summarised the session and requested Dr. D. Harikrishna to present virtual memento as token of gratitude to the speaker. Dr. D. Harikrishna thanked Mr. P B Guru Prasanna for readily accepting to deliver the webinar and presented the memento to the speaker.



**Virtual Memento of the speaker**

Vote of thanks proposed by Ms. Vandana, IEEE MVSRR SB PES Student Chapter Treasurer, marked the end of the event.

**Reported By:**  
**IEEE MVSRR SB**