



## A Webinar On Power Systems – 132KV Switch Gear & Protection

IEEE MVSR PES Student Chapter has conducted a Webinar On Power Systems – 132KV Switch Gear & Protection in collaboration with Department of Electrical and Electronics Engineering. The main motto of the program was to give a clear idea about Power Systems and High voltage Switch gear & protection and to give a sound understanding on the principles and techniques of Electrical Power Engineering.

### 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. Hemanth Kollapudi
Vice Chair	Mr. Kodali Naga Seshu
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Joint Secretary	Ms. M. Kathyayani
Treasurer	Ms. Hetalee Pravin Warad
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Secretary	Mr. K. Pavan Harshith
Joint Secretary	Mr. Puram Sai Teja
Treasurer	Ms. B. Rajya Laxmi
Women in Power	Ms. Kuntoori Shravani

### WIE Student Branch Advisor:

Mrs. G. Ushasri,  
Assistant Professor, IT Dept,  
MVSR Engineering College.

### PES Advisor:

Mr. Y. Laxmi Narasimha Rao,  
Assistant 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	Mr. M. Hareen
Vice Chair	Ms. Kotra Aishwarya
Secretary	Mr. Md Rafae Ahmed
Joint Secretary	Ms. Ch Venkata Satya Sreeya
Treasurer	Mr. K Kranthi Chaitanya Goud
Women in Computing	Ms. Anoushika Boddupalli

### Circuits & Systems Society:

Chair	Mr. Gautham Purohit
Vice Chair	Mr. D. L. N Srihith
Secretary	Ms. Mudumba Harshitha
Joint Secretary	Ms. Jindam Pragna
Treasurer	Mr. Erram Sai Vineeth

### Operating Committees:

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### Session Details:

**Date:** 28 January,2023

**Timings:** 6:30 pm-8:30 pm

**Number of Attendees:** 32

### Speaker for the session:

Mr. Ananda Bhushan Attota, has completed B.Tech. in EEE from Bapatla Engineering College in 2005, M.E. in Power Systems from College of Engineering, Andhra University in 2007. He joined as a Management Trainee in Mishra Dhatu Nigam Limited in 2007, presently he is working as Sr. Manager in Main Receiving and Step-Down Sub Station of Mishra Dhatu Nigam Limited. He has 15 years of experience in 132KV/11KV/415V Switchgear and transformers operation and maintenance. He has experience in 132KV, 40 MVA switch yard erection, commissioning activities and also in Upgradation of relays on breaker panels from electromechanical relays to numerical relays. He also has experience in Implementation of dynamic reactive power compensation with Hybrid technology using a combination of active harmonic filter panel and automatic power factor compensation panels.

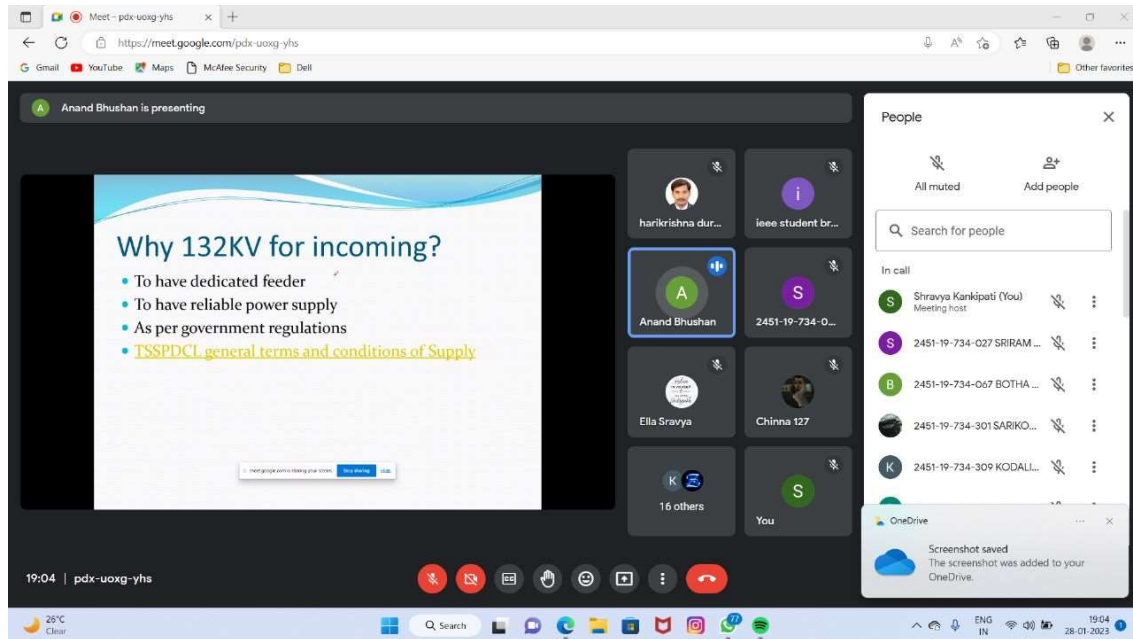
The poster features logos for Maturi Venkata Subba Rao (MVSRR) Engineering College, IEEE MVSR Student Branch, and IEEE PES Power & Energy Society. The central text reads 'IEEE MVSR SB PES Student Chapter presents'. Below this, it lists 'FACULTY COORDINATORS' (Dr. D. Hari Krishna and Mr. Y. Laxmi Narasimha Rao) and 'STUDENT COORDINATORS' (A. Vandana and K. Shravya). A central box highlights the webinar topic: 'A WEBINAR ON POWER SYSTEM - 132kV SWITCH GEAR & PROTECTION'. A portrait of Mr. Ananda Bhushan Attota is shown on the right. At the bottom left, a clock icon indicates the time '6:30 PM - 8:00PM' on '28th Jan 2023'. A red location pin icon is next to the text 'Venue : Online'.

Poster of the session

The session was commenced by Ms. A Vandana, IEEE MVSR PES Student Chapter Chairperson by welcoming, Dr D. Hari Krishna, IEEE MVSR Student Branch Counsellor, Mr. Y Laxmi Narsimha Rao, IEEE MVSR PES Student Chapter Advisor, Mr. Ananda Bhushan Attota, Sr. Manager in Main Receiving and Step-Down Sub Station of Mishra Dhatu Nigam Limited, ExCom Members, Volunteers and all the students.

Then she invited Dr D Hari Krishna, IEEE MVSR Student Branch Counsellor, to address the gathering. He started the session by thanking the speaker for his valuable time and for his immediate acceptance to give a session. He also mentioned that this webinar will improve the

students' knowledge regarding Power Systems. Then she invited Mr. Y Laxmi Narsimha Rao, IEEE MVSR PES Student Chapter Advisor, to address the gathering. He also thanked the speaker and later on continued to explain about the importance of Power system-132KV switch gear & protection.

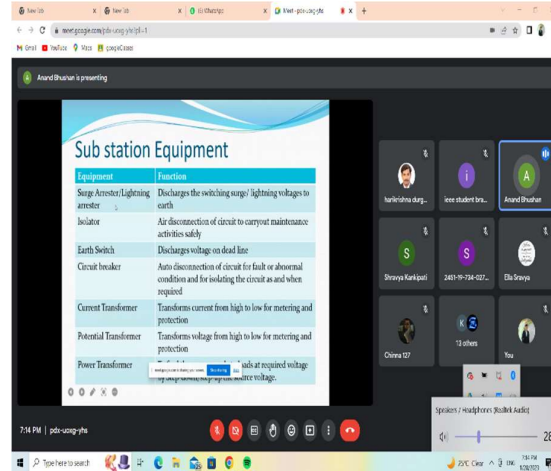
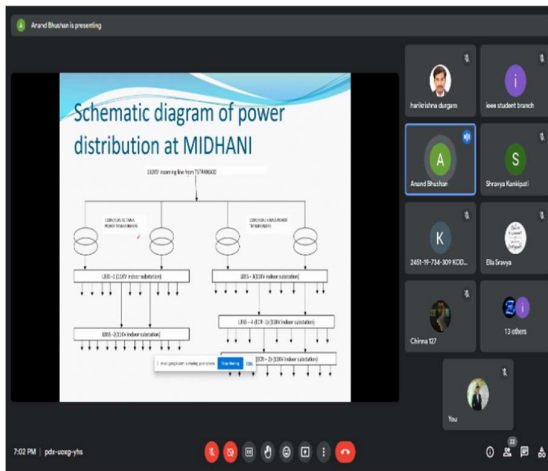


#### **Mr. Ananda Bhushan Attota, addressing the gathering**

Later, Ms. K. Shrayya, IEEE MVSR PES Student Chapter, Vice Chair, welcomed and introduced the speaker of the session, Mr. Ananda Bhushan Attota, Sr. Manager in Main Receiving and Step-Down Sub Station of Mishra Dhatu Nigam Limited, she then handed over session to Mr. Bhushan. He started the session by appreciating all the participants who had joined the session and he talked about his designation and his role in Mishra Dhatu Nigam Limited.

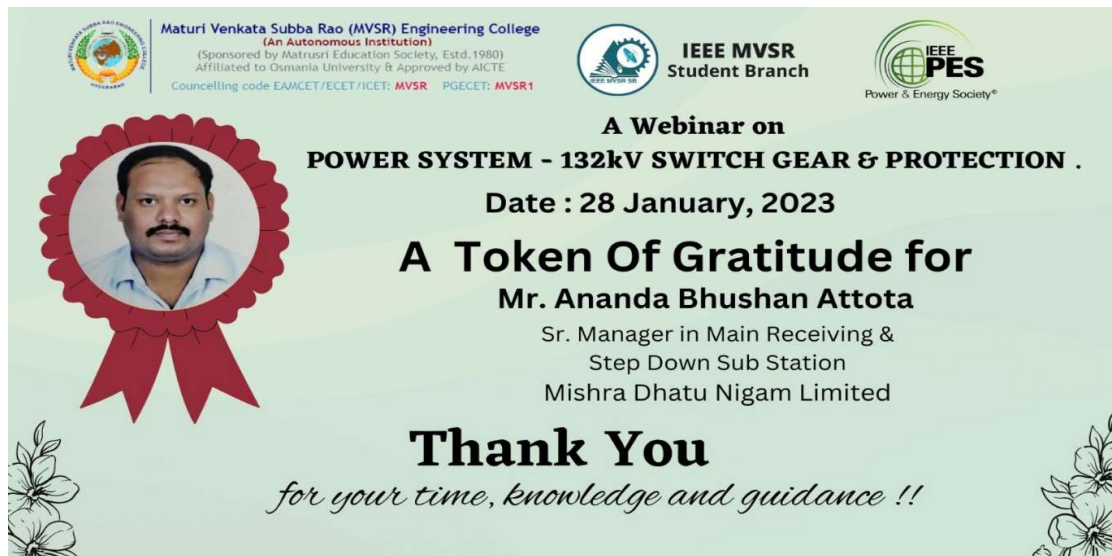
He then spoke about the significance of 132KV for incoming supply. He also spoke about the government rules and regulations i.e. TSSPDCL general terms and conditions of supply and he later on explained about different types of statutory bodies and each of their specific task. He explained in detail about standard voltage levels in India and also about layout of substation with single and two incomers and by showing the layout where faults occurs frequently and the reason why do they occur. He explained the schematic diagram of Power distribution at MIDHANI. Later on, he explained in detail about substation equipment such as surge arrester, isolator, earth switch, circuit breaker, CT, PT & power transformer along with name plate details of each and every equipment in detail.

He finally explained in detail about control and relay panels and also mentioned about Career Oppurtunities for Electrical Engineering students in Power Systems. A Q&A session was held in the end to resolve all the queries the students had.



**Mr. Ananda Bhushan Attota, explaining the substation equipment in detail**

Later, Ms. A Vandana, encapsulated the session and invited Dr D Hari Krishna, to present the virtual memento to the speaker, Dr D. Hari Krishna felicitated the speaker with the virtual memento for the wonderful presentation and thanked all the participants for their active presence.



**Virtual Memento to the speaker**

The session then came to an end after the vote of thanks proposed by Mr. P. Saiteja, Joint Secretary IEEE MVSR PES Student Chapter.

**List of Attendees:**

<b>S.no</b>	<b>Name of the Student</b>	<b>Roll Number</b>	<b>Year of study</b>	<b>Branch</b>
1	B. Rajyalaxmi	2451-20-734	BE 3/4	EEE
2	SANTHOSH BONAGIRI	2451-20-734-004	BE 3/4	EEE
3	KRISHNA CHAITANYA NUTHALAPATI	2451-20-734-052	BE 3/4	EEE
4	Puram saiteja	2451-20-734-316	BE 3/4	EEE
5	Katta Arun Sai	2451-19-734-019	BE 4/4	EEE
6	PULI JHANA VI	2451-19-734-094	BE 4/4	EEE
7	Vamshi	109418402132	4	Bcom
8	Priyanka Madagari	2451-19-734-066	BE 4/4	EEE
9	G Shashi Vardhan	2451-19-734-061	BE 4/4	EEE
10	M SHIVAKUMAR	2451-19-734-307	BE 4/4	EEE
11	G.Sai Kumar	2451-20-735-069	BE 3/4	EEE
12	Botha Srinivas	2451-19-734-067	BE 4/4	EEE
13	Neha Rudraboina	2451-21-734-004	BE 2/4	EEE
14	Toorupati shukraj	2451-21-734-308	BE 2/4	EEE
15	Kompelli Aadivishwas Reddy	2451-21-734-302	BE 2/4	EEE
16	PULI JHANA VI	2451-19-734-094	BE 4/4	EEE
17	SANJAY KUMAR SAMALA	2451-19-734-073	BE 4/4	EEE
18	Anna Praveen	2451-19-734-017	BE 3/4	EEE
19	Sarikonda Surya Ganesh Raju	2451-19-734-301	BE 4/4	EEE
20	VEMBADI ABHILASH	20R95A0244	BE 4/4	EEE
21	Siligiri saikumar	2451-19-734-302	BE 4/4	EEE
22	Kuntoori Shravani	2451-19-734-083	BE 4/4	EEE
23	Gunda Rishitha	2451-19-734-063	BE 4/4	EEE
24	A Vandana	2451-19-734-080	BE 4/4	EEE
25	Kankipati Shravya	2451-19-734-056	BE 4/4	EEE
26	A.Sahaja sri	2451-19-734-071	BE 4/4	EEE
27	GOPULA NITHIN	2451-19-734-079	BE 4/4	EEE
28	ELLA SRAVYA	2451-19-734-305	BE 4/4	EEE
29	swetha	2451-21-734-337	BE 2/4	EEE
30	MADIRAJ NAGA AMULYA	2451-19-734-303	BE 4/4	EEE
31	Kothakonda Niharika	2451-19-734-304	BE 4/4	EEE
32	CH HRUTHIK KUMAR	2451-19-734-078	BE 4/4	EEE

**Reported By:**  
**IEEE MVS SR SB**