Technical Paper Writing

A webinar on Technical Paper Writing was organised by IEEE MVSR Student Branch on 29th November 2021. Technical Papers hold an important role in undertaking research and projects. The intent of this webinar was present the audience with do's and don'ts of Technical Paper writing and to encourage them to write papers.

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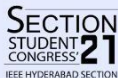|	
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Session Details:
Date: 29th November 2021
Timings: 6:00 PM TO 7:30 PM
Number of Attendees: 32
Speaker for the session: Dr D Hari Krishna, Associate Professor EEE Department, MVSR Engineering College and IEEE MVSR Student Branch Counsellor. Dr D. Hari Krishna is a Senior Member of IEEE. He is an IEEE Member for the past 13 years. He is serving as Slate Member of PES/IAS/PES-Jt. Chapter IEEE Hyderabad Section. He is IEEE MVSR Student Branch Counsellor, MVSR Engineering College since 2017. He is also IEEE MVSR SB Power & Energy Society Student Chapter Advisor since 2016. He is working as an Associate Professor in Electrical and Electronics Engineering Department in MVSR Engineering College and completed his Ph.D. from NIT Warangal. His areas of interests are Advanced Power Systems, FACTS and AI Techniques. He has 13 research papers to his credit and also supervising a Ph.D. Research Scholar. He has participated in various IEEE Workshops and Webinars, Paper Presentations, Competitions. He has been a supervisor for 30+ student projects since 2012. He has also given webinars on topics related to Renewable Energy, Power Systems and Basics of MATLAB Simulink etc. He has done various awareness programs about IEEE benefits and resources, Technical Paper Writing, IEEE Xplore and IEEE Day.

The session was initiated by Mr. K. Uthej, IEEE MVSR SB Vice Chair, by welcoming the speaker and the attendees of the webinar. He then introduced the speaker to the audience and handed over the session to him.

Flyer for the Event

Dr D Hari Krishna firstly acknowledged IEEE MVSR SB Executive Committee members for coming up with this idea of conducting a webinar on Technical Paper writing. He started his address by referring to a quote, "The art of writing is the art of discovering what you believe." Then he displayed the overview of his presentation, which contained the following, Taxonomy, Flow of Paper, Contents of paper and Impact Factor and Indexing. All the motives which are quintessential for publishing a paper and when to publish a paper, were explained by the speaker briefly. He also stated that a Technical Paper is nor an English paper or a Science Lab Report. Key elements of a Technical Paper were also listed. Objectives for writing a Technical Paper were also discussed by the speaker.
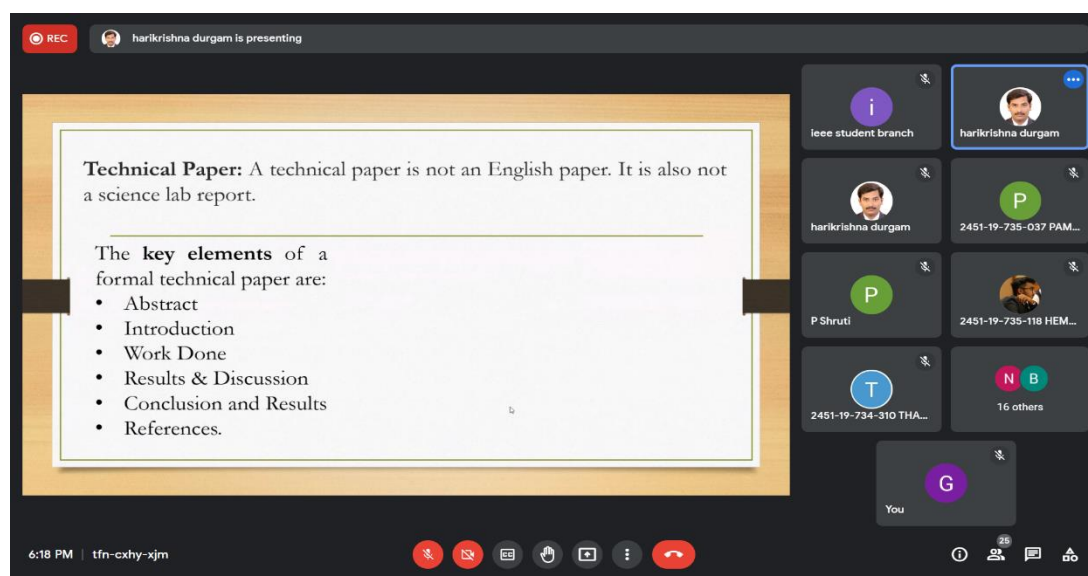
Speaker Explaining about Key Elements of Technical Paper

Followed by this Dr Hari Krishna discussed about the taxonomy of Papers wherein he explained the importance of different types of Papers and also distinguished between them. Following are the few different types of papers, Survey Paper is like a review, it provides summary by reviewing numerous papers. Research Paper usually contains details of an idea and presenting it, Review Paper generally consists of more than 10 papers, 5 plus figures, 50 plus references. He also described about the difference between a Conference Paper and a Journal Paper. He advised the audience to have a conference paper as it will provide inputs and significant improvements can me made the paper and one's knowledge can also be enriched. He went on to explain about what references in a Paper mean. Speaker urged the audience to go through as many Technical Papers as they can if they want to pursue a career in research. Paper writing can be realised in two ways, in model 1, Have an idea, do the research required and collect data and write the paper. In model 2, Have an idea, write the paper and do the research. Model 2 is usually followed while writing conference papers.

Dr D Hari Krishna opined that for writing a Paper a novel idea is required. Post writing of paper one should present a talk about the idea as it opens a dialogue with others by which one can get reality checks, necessitate collaboration and offers critique. He further stated that many papers contain good ideas but do not distil what they are, ideas should be presented clearly in paper. He then explained about the narrative flow in a Technical Paper. Many Papers are composed inefficiently and are hard to understand, following simple guidelines can drastically improve the quality of paper. Dr Hari Krishna also asserted that feedback plays an important role in Technical Paper Writing as it improves quality of one's paper and research.

Speaker then illustrated the Structure which should be followed while writing a Technical Paper. He also elucidated about the significance of each section. Title draws the readers to your work; it is also one of the factors for increasing the impact factor. Abstract is used by program committee members to decide which papers to read, speaker advised the audience to write this section at the end. He then explained about the role Keywords play in a Technical Paper. Next, he listed out the contents which an introduction of Technical Paper comprises of and also explained about the remaining sections of the Technical Paper.

Speaker elucidating about Writing Models, Structure and Impact Factor

Followed by this, Dr D Hari Krishna presented about Impact Factor, what does it mean and its importance. Indexing of Papers was also explained by speaker and he also listed out the reasons why indexed journals are considered to be of higher scientific value. He then instructed audience on how to choose a target Journal and presented them a list of sources. He also showcased the template for Conference Paper and rules generally followed. Dr Hari Krishna concluded his talk by describing about IEEE Author Centre. He urged the audience to go through IEEE Author Centre as they can find templates for different Technical Papers hassle free and make use of them. Queries asked by the audience were cleared by the speaker.
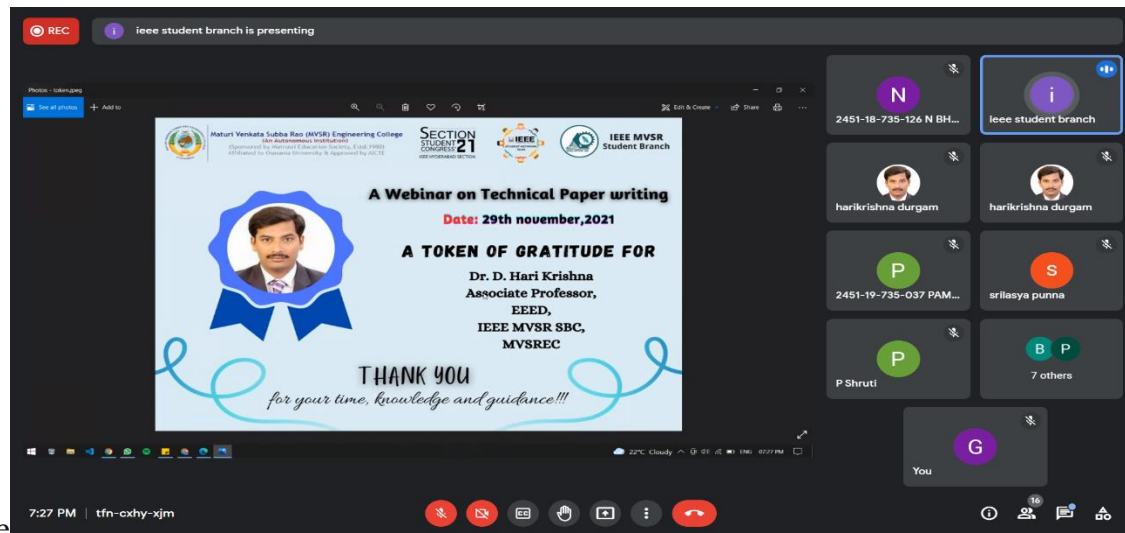
Virtual Memento Presented to Speaker

Mr. K Uthej, Vice Chair, IEEE MVSR Student Branch presented a Virtual Memento to Dr D Hari Krishna for delivering an enthralling webinar. Vote of thanks proposed by Mr. N Bhargava Saketh, Vice Chair, IEEE MVSR CASS Student Chapter, marked the end of the event.

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