Maharaja Agrasen Institute of Technology, Delhi

Department of Mechanical and Automation Engineering

Online Webinar on "Problem Solving and Creativity

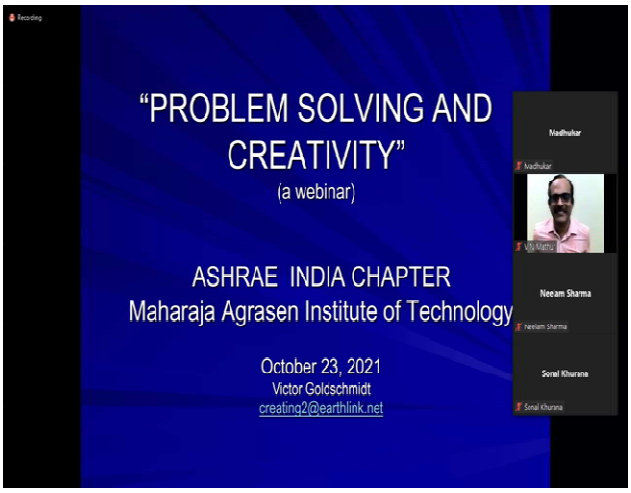
Department of Mechanical & Automation Engineering and Department of Mechanical Engineering along with ASHRAE Student Branch MAIT, Maharaja Agrasen Institute of Technology organized an online WEBINAR on the topic 'Problem Solving and Creativity' on 23 October 2021.The event was started with a introductory note given by Mr. Dhruv Malhotra, President, ASHRAE student chapter who shared about the journey and achievements of ASHRAE students of MAIT. The event was followed by the welcome address of Prof. Neelam Sharma, Director, MAIT who enlightened us with her inspirational and encouraging words. Prof. Victor Goldschmidt graced the occasion as the speaker of the online webinar.

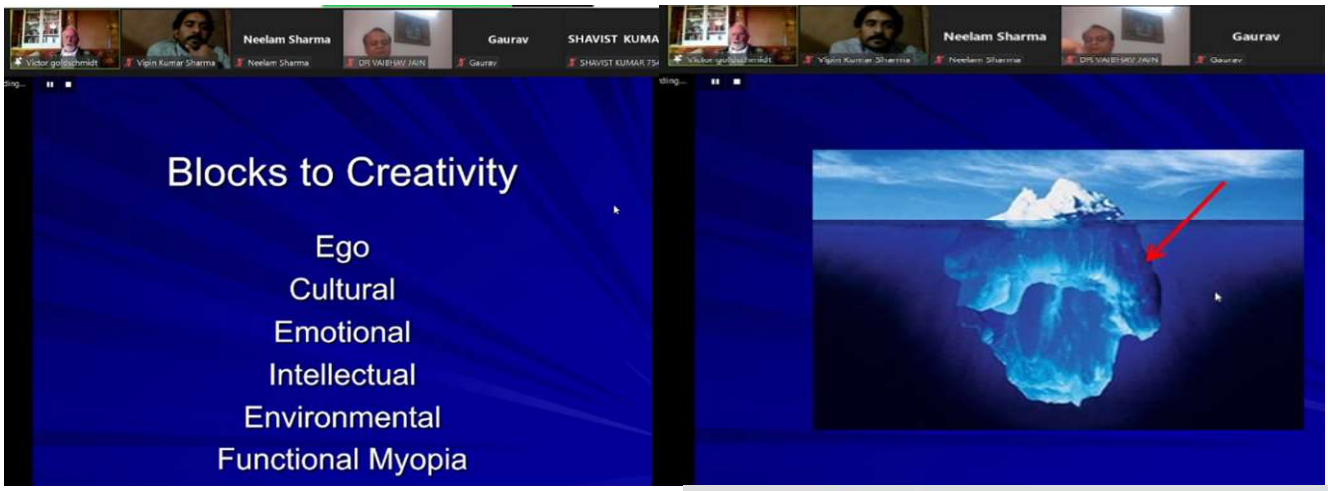
Prof. Victor Goldschmidt is an Emeritus Purdue Professor of Mechanical Engineering with more than 45 years of lecturing experience, Fellow and Past Director-at-Large of ASHRAE, and honorary member of the IIR (International Institute of Refrigeration), ACAIRE (Colombia Association of Air Conditioning and Refrigeration, AAF (Argentine Association of Cold), and ASURVAC (Uruguay Association of Refrigeration, Ventilation, Air Conditioning and Heating). His industrial experience includes having been an Application Engineer, and a Development Engineer with Honeywell, as well as serving as principal investigator and project leader with numerous research contracts with the HVAC&R industry. He also led research teams through grants with the DOD, NSF, and other governmental bodies. With more than 200 publications, he served as mentor to both graduate and undergraduate students. Victor is a facilitator to leadership training, problem solving and strategic planning sessions, a former County Planning Commissioner and Trustee in the Leelanau Township Board in the Lower Northwest Michigan.

He delivered a very beautiful talk on ''Problem Solving and Creativity'. The lecture mainly comprised of the adoption of introspection model needed to enrich the engineering skills. There is a dramatic difference between the problem solving techniques presented to us in formal

engineering courses, and the skills that are called for in actual practice. These differences will be outlined, leading towards a special focus on the need for cooperation between creativity and problem solving in engineering applications. The lecture presented the general steps in problem solving of definition, recasting, ideation, convergence, and validation/implementation. The lecture ended with a listing of 'pet-peeves' which will include confusing cause and effect and violating the scientific method. The speaker stressed on the call for creativity among engineering students. The nature of creativity, and methods to enhance creativity will then be outlined challenging each individual to personalize the comments.

Finally, Dr. Vaibhav Jain, SBA, ASHRAE, MAIT presented the vote of thanks. More than 250 participants registered for the same and the event was a grant success.




Neelam Sharma
Gaurav
SHAVIST KUMA
Blocks to Creativity
Ego
Cultural
Emotional
Intellectual
Environmental
Functional Myopia


Concluding Remarks
DR. VAIBHAV JAIN
HoD - Mechanical Engineering
Maharaja Agrasen Institute of Technology
Dr. Jain has completed his Ph.D from Department of
Mechanical Engineering, National Institute of Technology
Kurukshetra in 2016. He received his B.E degree in Mechanical
Engineering from VTU, Belgaum in 2003, ME in Thermal Engineering
from University of Delhi, Delhi in 2009. He has published several papers in
referred Journals, National/International conferences and has many awards to his
credits including 'Student Branch Advisor 2020' award from ASHRAE, USA. He has
coordinated many National/ International events sponsored by CSIR, GGSIPU etc.He has received
sponsored projects of worth more than US$ 35000 under project equipment grant scheme from
ASHRAE, USA. His Area of interest is Refrigeration and Air-conditioning.