

Bharatiya Vidya Bhavan's

SARDAR PATEL COLLEGE OF ENGINEERING



(Government Aided Autonomous Institute) Affiliated To University of Mumbai



Activity Report

"National Level Webinar on Lean Six Sigma"

30th October 2023

Venue: Google Meet

Organized by:-

IIIE -SPCE STUDENT CHAPTER

Under Department Of Mechanical Engineering & IQAC

In Collaboration With









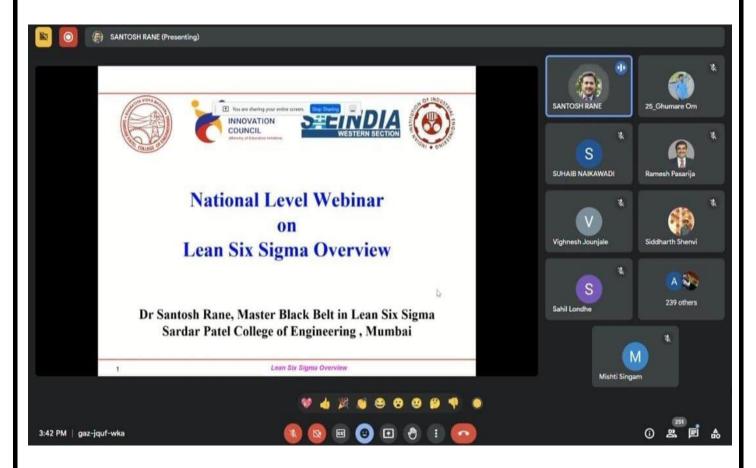
ABOUT THE EVENT

DATE OF EVENT: OCTOBER 30, 2023

TIME OF EVENT: 3:30 p.m.

VENUE: GOOGLE MEET

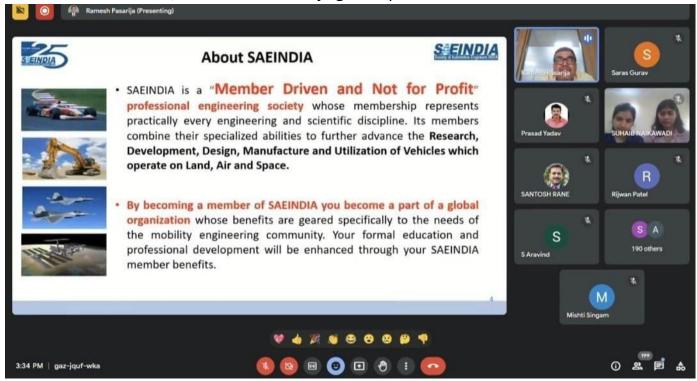
NUMBER OF PARTICIPANTS:



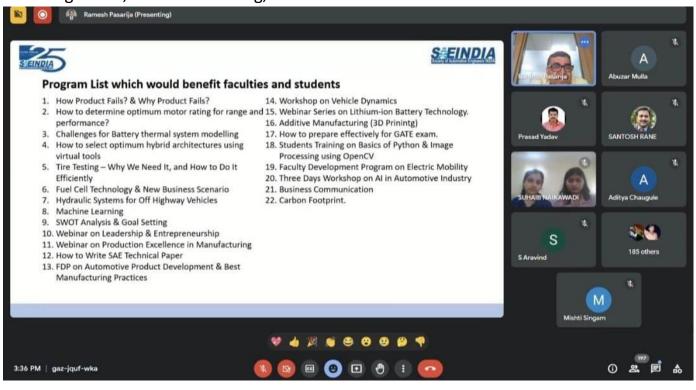
In an era characterized by rapidly evolving technologies and increasing global competitions, organizations across various sectors are constantly seeking innovative strategies to enhance efficiency, reduce waste and improve overall performance. One such methodology that has gained significant traction in recent years is LEAN SIX SIGMA, a powerful combination of Lean principles and Six Sigma methodologies aimed at minimizing defects and optimizing processes.

Recognizing the importance of fostering a culture of continuous improvement among future engineers and industry professionals, the IIIE-SPCE Student Chapter took the initiative to organize a national-level webinar on Lean Six Sigma. The webinar began with a warm welcome to everybody present followed by giving information about the main agenda of the webinar which was 'Learning the methodologies used in Lean Six Sigma and how we can implement them in our work life'.

After the introduction, Dr. Ramesh Pasarija gave a presentation on SAE INDIA.



SAE India covers various topics to raise awareness about topics such as product management, machine learning, etc.



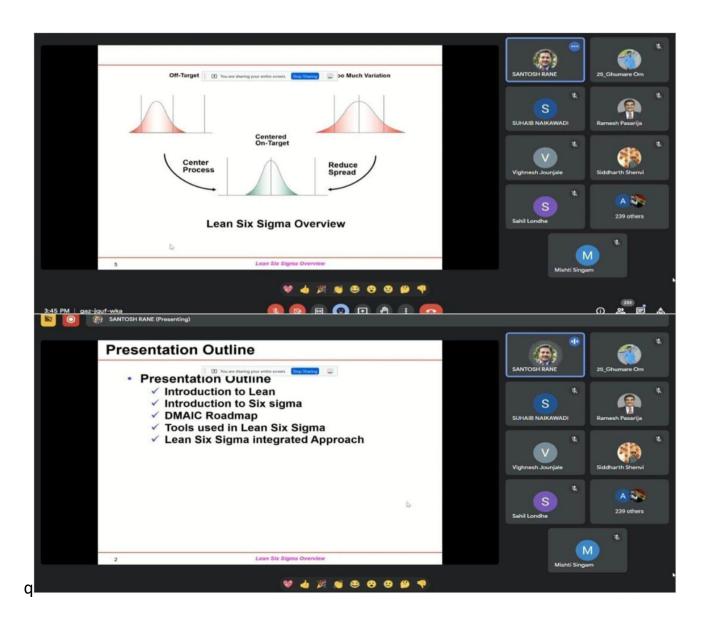
ABOUT THE SPEAKER



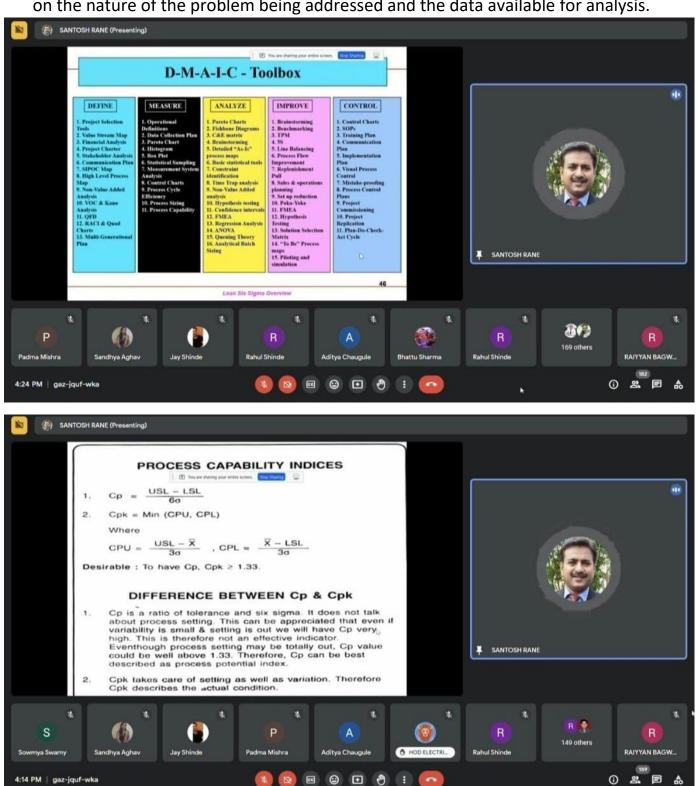
- Dr. Santosh Rane: The Faculty and former Dean of Academics at SPCE, Mumbai.
- He's Ph.D., Master Black Belt in Lean Six Sigma, ME and Ph.D. in Mechanical.
- He has published 115+ research papers, 2077 Google Scholar citations, 14 patents (9 filed, 5 granted) and led over 350 Business Excellence projects in MNCs.
- He has won 13 accolades, including the National Productivity Award
 Platinum Grade and SAE Foundation Champion Award.
- He has been the Programme Coordinator for Mechanical Engineering,
 Faculty Advisor for SPCE Racing Team and Faculty Advisor for IIIE-SPCE
 Student Chapter.
- He has served as a Research Mentor for various Engineering colleges and conducted 63 informative sessions for students.

OVERVIEW OF THE EVENT

The esteemed speaker Dr. Santosh Rane sir talked about what Lean Six Sigma is and its important functions. It was followed by a MCQ session to revise the main facts and ideas learnt in the discussion. Then began the Question and Answer session where the participants interacted and asked their queries regarding Lean Six Sigma. An in depth interaction took place between the speaker and the participants in the webinar. Their queries varying from implementation of the tools in sigma to the course duration and levels were answered.

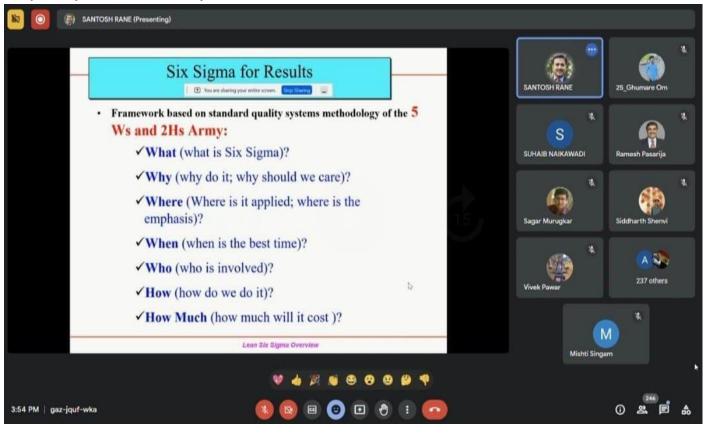


We were introduced to DMAIC Toolbox which is a data-driven improvement cycle used in Six Sigma and other process improvement methodologies. The DMAIC process is commonly applied in various industries to enhance and optimize processes, products, or services. It refers to the set of tools and techniques used at each stage of the DMAIC process to analyze and improve processes. These tools can include process maps, cause-and-effect diagrams, statistical analysis tools, brainstorming techniques, control charts, and many others. The specific tools used in the DMAIC process depend on the nature of the problem being addressed and the data available for analysis.



KEY TAKEAWAYS

- Lean focuses on eliminating waste and improving efficiency in processes, aiming to deliver more value to customers with fewer resources. It emphasizes continuous improvement, teamwork, and customer satisfaction.
- Six Sigma focuses on reducing defects and variations in processes, making them more reliable and consistent. It uses statistical tools and techniques to identify and eliminate defects, ultimately improving the quality of products or services.
- Combining Lean and Six Sigma, organizations can achieve significant improvements in quality, efficiency, and customer satisfaction.
- The Lean Six Sigma approach involves defining, measuring, analyzing, improving, and controlling processes (DMAIC), leading to data-driven decision-making and sustainable improvements. It is widely used in various industries to enhance performance and competitiveness.
- A process that achieves Six Sigma quality produces only 3.4 defects per million opportunities, indicating an extremely high level of quality and efficiency.



VOTE OF THANKS

- The event was finally concluded by thanking SAE club, SPCE, the entire IIIE- SPCE Student Chapter team and all the participants of the event.
- A closing statement was given by the hosts expressing their gratitude to Dr. Santosh Rane sir such an amazing insight towards Lean Six Sigma and motivating everyone.
- The participants were once again thanked for their presence at the webinar.
- The main objective of the webinar which was to help in everybody's respective individual endeavours was also highlighted.
- The meet finally ended with everyone leaving their regards during their departure from the meet.

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