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K. S. SCHOOL OF ENGINEERING AND MANAGEMENT

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DEPARTMENT OF MANAGEMENT STUDIES AND RESEARCH CENTRE

Report on Class Activity on 5S and wastes of Lean Manufacturing



Topic: 5S and wastes of Lean Manufacturing

Date: 16 January 23

Time: 9.35 am - 10.30 am

Resource Person: Prof V VIDYASHREE, Department of Management studies, KSSEM

5S is a five-step methodology for creating a more organized and productive workspace: Sort, Straighten, Shine, Standardize, and Sustain. 5S serves as a foundation for deploying more advanced lean production tools and processes.

Lean manufacturing involves the use of many tools such as 5S, kaizen, kanban, jidoka, heijunka, and poka-yoke. 5S is considered a foundational part of the Toyota Production System because until the workplace is in a clean, organized state, achieving consistently good results is difficult.

A messy, cluttered space can lead to mistakes, slowdowns in production, and even accidents, all of which interrupt operations and negatively impact a company.

By having a systematically organized facility, a company increases the likelihood that production will occur exactly as it should.

Lean waste can come in the form of time, material, and labor. But it may also be related to the utilization of skill-sets as well as poor planning. In lean manufacturing, waste is any expense or effort that is expended but which does not transform raw materials into an item the customer is willing to pay for. By optimizing process steps and eliminating waste, only true value is added at each phase of production.

Lean practitioners commonly agree on 7 wastes (or muda, as they are referred to in the Toyota Production System):

- Transport
- Inventory
- Motion
- Waiting
- Overproduction
- Overprocessing
- Defects

The session was held with the following objectives

1. See for yourself to grasp the current situation
2. Take action to contain and correct root causes of problems
3. Work as a team
4. Kaizen is everybody's business
5. Big results come from many small changes accumulated over time
6. Understand the concept of wastes and have a fun activity to demonstrate it

Photographs from the session





Social Media links from the Session

- LINKEDIN :
https://www.linkedin.com/feed/update/urn:li:activity:7021722852030644224?utm_source=share&utm_medium=member_desktop
- INSTAGRAM :
https://www.instagram.com/p/Cnlh6ffK_EO/?utm_source=ig_web_copy_link
- FACEBOOK :
<https://www.facebook.com/photo?fbid=163009459810127&set=pcb.163009523143454>

COORDINATOR
PROF. V VIDYASHREE

HOD-MBA
DR. SHEKAR H S

PRINCIPAL/DIRECTOR
DR. RAMA NARASIMHA K