

# ANTRASHILP

CGSC welcomes new Chairman

## Mr. Anil Parab

Senior Vice President Head  
L&T Heavy Industries

Merger of Strategic  
Manufacturing Skill Council  
with Capital Goods Skill Council

CGSC to roll-out  
Awareness Workshop Series  
on Capital Goods Sector  
#SkillForNewIndia



## INSIDE THIS VOLUME

Address by new Chairman CGSC

Training Activities

Partnership Activities

CGSC at IndiaSkills 2021 Regional Competitions (East, West, North, South)

19<sup>th</sup> Governing Council Meeting of Capital Goods Skill Council

Article by Mr. Dasrathi G V, Director - Application, LEANworx Technologies Pvt. Ltd.

Announcement 1 - Merger of Strategic Manufacturing SSC with Capital Goods SSC

Announcement 2 - Awareness Workshop Series on Capital Goods Sector

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# Address by New Chairman

Capital Goods  
Skill Council



## Mr. Anil Parab

Senior Vice President Head  
L&T Heavy Industries



*It is indeed my honour to lead the Capital Goods Skill Council of India, at a critical juncture, when India is aiming to institutionalize supply of skilled workmen to Japan. CGSC will play important role in this mission. Recognizing the good work done by CGSC, under the leadership of Mr. Sunil Chaturvedi , Strategic Manufacturing council is now merged with CGSC.*

*Synergies between the two councils will help us to aspire and achieve global benchmarks. I appeal to all the governing council members , directors and staff members to take pride in becoming part of this historic journey. Look forward to your active support and cooperation.*



## Mr. Sunil Chaturvedi

Former Chairman, CGSC  
Chairman & Managing Director, Gainwell  
Commosales Private Limited  
(Formerly Tractors India Private Limited)

## Welcomes Mr. Anil Parab

On 19<sup>th</sup> Governing Council Meeting of CGSC Mr. Sunil Chaturvedi welcomed and thanked Mr. Anil Parab for taking up post of CGSC Chairmanship.

He also thanked the entire Board Members for their support in helping the council to contribute in Skill Initiatives.

# Training Activities

## Capital Goods Skill Council



### Training of Trainer

CGSC conducted various ToT programs for Job Roles: Fitter Fabrication, CNC Operator Turning, Fitter Mechanical Assembly, Manual Metal Arc Welding/Shielded Metal Arc Welding Welder etc.

**CANDIDATES TRAINED & CERTIFIED: 101**



### Training of Assessor

CGSC conducted various ToA programs for Job Roles: Fitter Fabrication, CNC Operator Turning, Fitter-Electrical and electronic assembly, Manual Metal Arc Welding/ Shielded Metal Arc Welding Welder, Fitter Mechanical Assembly etc.

**ASSESSOR TRAINED & CERTIFIED: 40**



### Recognition of Prior Learning

CGSC conducted upskilling program for workforce of PR Components Pvt. Ltd. & JSL Lifestyle Ltd. with the support of **Commonwealth Educational Media Centre for Asia (CEMCA)** for Job Roles: Operator CNC Turning, Milling, Quality Inspector, Polisher, Conventional Surface Grinding Machines, Fitter Mechanical Assembly, Stainless Steel Fabricator, Polisher etc.

**CANDIDATES TRAINED & CERTIFIED: 250**





# Partnership Activities

## Capital Goods Skill Council



Skill India  
कौशल भारत - कुशल भारत

### CGSC Partners with MRC

Signing of MOU between Capital Goods Skill Council (CGSC) and Martine Research Center (MRC) - first step in skilling in acoustic survey for varied applications in Indian Ocean Region (IOR).



Skill India  
कौशल भारत - कुशल भारत

### CGSC Partners with JBM Auto

Signing of MoU between Capital Goods Skill Council (CGSC) and JBM Auto for Apprenticeship (NAPS) program.



Skill India  
कौशल भारत - कुशल भारत

### CGSC Partners with BEL

CSR Initiative - joint association of CGSC & BEL. CGSC started two batches of training in Capital Goods Job roles at CLD Center - Bangalore.







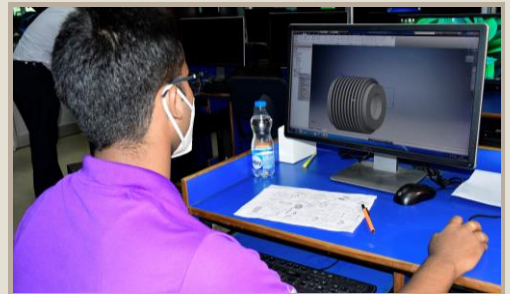
# CGSC at Regional Competitions

Discover the Power of Skills at IndiaSkills 2021

## Regional Competition - EAST | Patna, Bihar

Date: 21<sup>st</sup> Oct 2021 to 23<sup>rd</sup> Oct 2021

Trades: CNC Milling, CNC Turning, MCAD, Plastic Die Engineering, Welding | Participants: 40



## Regional Competition - WEST | Gandhinagar, Gujarat

Date: 29<sup>th</sup> Oct 2021 to 31<sup>st</sup> Oct 2021

Trades: CNC Milling, CNC Turning, MCAD, Welding



## Regional Competition - NORTH | Chandigarh, Punjab

Date: 15<sup>th</sup> Nov 2021 to 18<sup>th</sup> Nov 2021

Trades: CNC Milling, CNC Turning, Plastic Die Engineering, MCAD, Welding, Additive Manufacturing, Robotic System Integration

Participants: 72



## Regional Competition - SOUTH | Vizag, Andhra Pradesh

**Date:** 1<sup>st</sup> Dec 2021 to 4<sup>th</sup> Dec 2021

**Trades:** CNC Milling, CNC Turning, Plastic Die Engineering, MCAD, Welding, Additive Manufacturing, Robotic System Integration

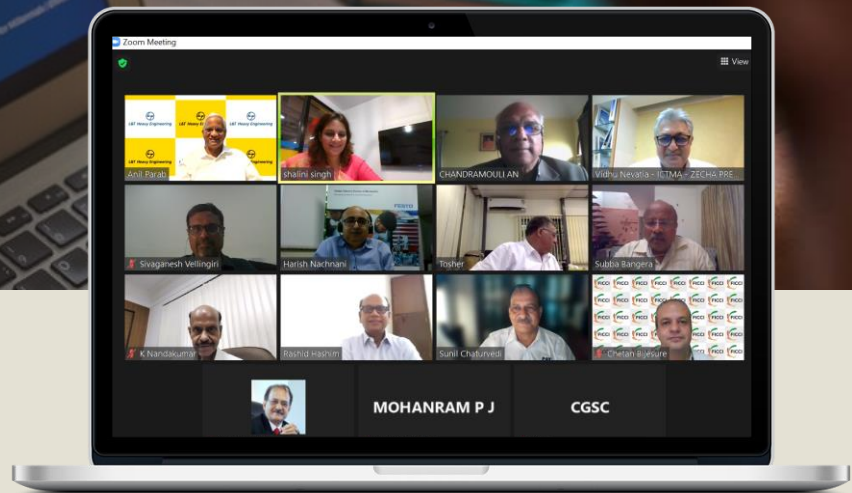
**Participants:** 80



## 19<sup>th</sup> Governing Council Meeting of Capital Goods SSC

1<sup>st</sup> September 2021

On 1<sup>st</sup> September 2021 Capital Goods Skill Council conducted the 19<sup>th</sup> Governing Council Meeting. It was well attended by the following Governing Council members:



1. Mr. Sunil Chaturvedi, Former Chairman CGSC, Chairman and MD Gainwell Commosales Pvt. Ltd.
2. Mr. Anil Parab, Chairman CGSC, Executive Vice President Head Manufacturing - Larsen & Turbo
3. Mr. Tosher G Hormusjee, MD- GW Precision Tools
4. Mr. Dilip Chenoy, Senior Vice President, CGSC, Sect General FICCI
5. Mr. K Nandakumar, MD - Chemtrols Industries Limited (PMAI)
6. Mr. ND Mhatre, Director (ITAMMA)
7. Ms. Sonali Kulkarni, President &CEO Fanuc India Pvt Ltd
8. Mrs. Shalini Singh, COO & Acting CEO.CGSC
9. Mr. Subba Bangera, Treasurer in CGSC , Member of PMAI
10. Mr. Chetan Bijesure, Secretary - CGSC Society and, Director-Manufacturing, FICCI
11. Mr. Harish Nachnani, Head of Didactic - Festo Pvt Ltd
12. Mr.AN Chandramouli, Advisor Starrag Heckert Machine Tools
13. Mr. P.J Mohanram, IMTMA
14. Mr. Rashid Hashim, Vice President-Head Manufacturing L&T MHI Power Boiler Pvt Ltd, and
15. Mr. Vidhu Nevatia, President ICTMA & Director of Zecha Precision Tools Ltd.
16. Mr. Sanjay Bhardwaj, Special Invitee -Head Industry Interface CGSC



## Article

# Machine monitoring for improving production and productivity

## Mr. Dasrathi G V

Director - Application  
LEANworx Technologies Pvt. Ltd.



### ***This is what typically happens on a manufacturing shop floor:***

The scheduling guys make a production schedule for a particular product based on sales, and pass it on to the shop floor guys. They then fold their hands, sit back and relax, thinking that stuff is being made according to the schedule. The story on the shop floor is however different. The machine on which the part is to be made has a breakdown, and the part is not actually being made according to schedule. This is not known till the next morning, when various departments have a meeting. You can change 'breakdown' to 'operator absent' or 'no raw material' or 'accident', and the story remains the same. This story can be changed with a machine monitoring system.



This is happening because on the shop floor you may have computers, but these are not talking directly to the machines. People collect data, then enter this data in the computers. This is not done in real time ('real time' = the actual time at which an event occurs). The updating of data may be done once a day or once a shift. It may also be manipulated, falsified (and often is). In a manufacturing company, the shop floor is the heart of the company, the place where money is actually made. This HAS to be monitored in real time, so that the rest of the activities can use accurate and timely data.

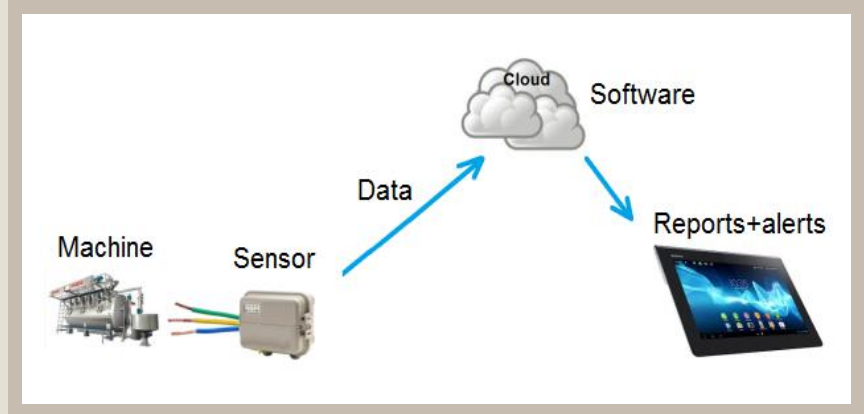
### ***How do you monitor in real time?***

You monitor in real time by making your computers talk directly to the machines, instead of to the people running the machines. People cannot continuously collect data and feed it into computers 24/7, but machines can, in an Industry 4.0 system. You cannot connect a computers and software directly to most machines (unless the machine itself is computer controlled). This is where a sensor comes in.

A sensor in Industry 4.0 is a piece of electronic hardware that has inbuilt, or 'embedded' software. The sensor senses what the machine is up to at any given instant – what is the production quantity, is the machine running or idle, etc. – and transmits this data through the Internet (this is called IIOT, or Industrial Internet of Things), to a remote computer on the Cloud. Software on this computer analyzes the data and displays reports or generates alerts in case it finds some big problems. So a monitoring system based on Industry 4.0 design principles has the basic Industry 4.0 components shown in this picture.

***What can be monitored in a manufacturing shop floor ?***

Machines in ANY manufacturing company can be monitored, and Industry 4.0 examples can be found in industries like food, pharmaceuticals, metal parts, plastic parts, textiles, garments, paper, etc. The machine monitoring system tracks the production quantity, machine uptime, machine downtime, reasons for downtimes, and part quality.



It reports the production quantity, quality, uptime, downtime, OEE and maintenance parameters. It provides data for preventive maintenance and predictive maintenance. It alerts (through SMS or email) when there’s a production shortfall, too high downtime, too high rejections, breakdown, etc. The reports can be seen on any PC, tablet or mobile phone. The alerts can be seen on a mobile phone or PC



## Announcement 1

# Merger of Strategic Manufacturing Skill Council with Capital Goods Skill Council

**Mrs. Shalini Singh**

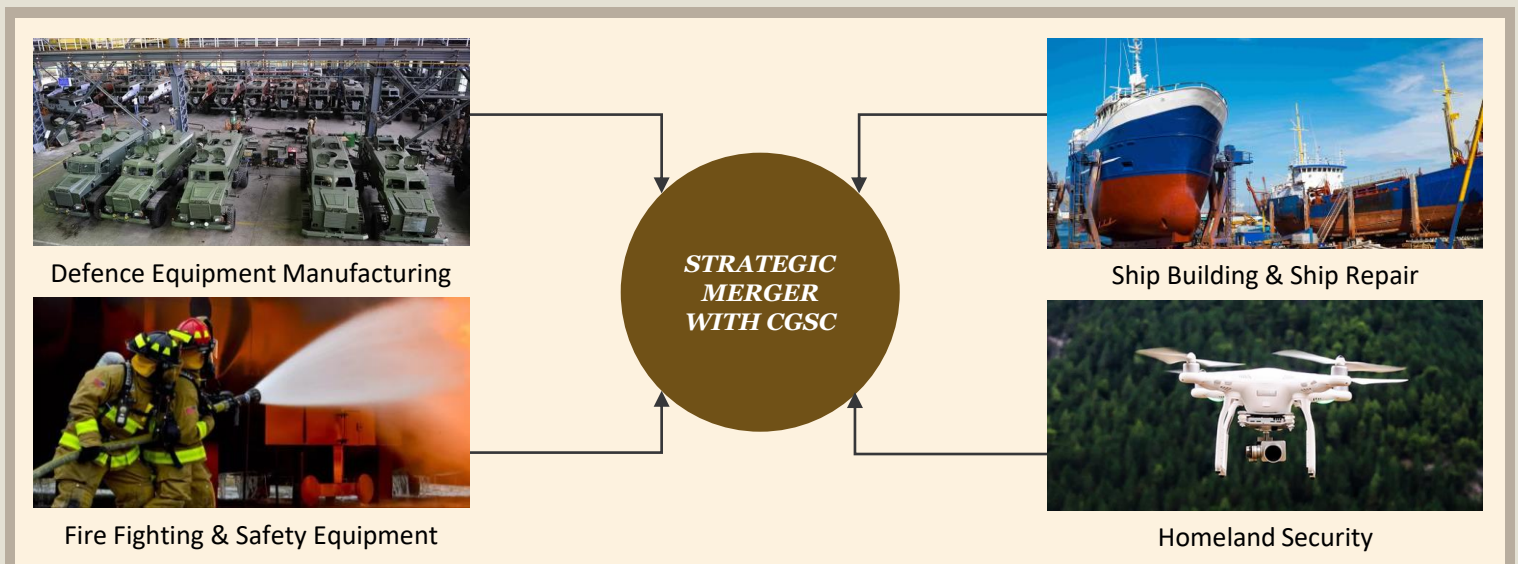
COO & Acting CEO,  
Capital Goods Skill Council

***Memorandum Of Association been approved by Governing Council of CGSC for inclusion of 4 subsectors of Strategic Manufacturing Sector.***

As you are aware, Skill development has been one of the key focus areas in recent years for the Government of India. Hon'ble Prime Minister in his Independence Day address also mentioned about Government's firm commitment to this objective. Department of Heavy Industry remains a key player in this effort in Capital Goods Sector.

Capital Goods Skill Council is entrusted with skilling initiatives in 4 subsectors of Strategic Manufacturing namely Defence Equipment Manufacturing, Ship Building & Ship Repair, Home Land Security and, Fire Fighting and Safety Equipment.

### Strategic Sub Sectors & Capital Goods SSC



CGSC is geared up for skilling workforce in these sectors with a vision of making ATMANIRBHAR Bharat.

## Announcement 2

# CGSC to roll-out Awareness Workshop Series on Capital Goods Sector

**Mrs. Shalini Singh**

COO & Acting CEO,  
Capital Goods Skill Council

### *CGSC to celebrate Azadi Ka Amrit Mahotsav with a awareness workshop series on Capital Goods Sector*

Under the Ministry of Culture, Indian government is celebrating Azadi Ka Amrit Mahotsav 2021-22 as a landmark year marking 75 years of India's Independence. The 75<sup>th</sup> anniversary of India's independence is a testament to its march from a young nation to an economic superpower today. Much of this journey has been possible due to the rich heritage of skills and craftsmanship that has strengthened the country. It is indeed a step towards aligning all its efforts with the larger vision of building a New India.



Joining the celebration, CGSC is all set to roll-out workshop series on Capital Goods Sector starting December 2021. The objective of the workshop is to spread awareness amongst industry members about Capital Goods Sector activities, benefits of automation in manufacturing industry and government initiatives.

Below are the key highlights of the workshop series:

- Offline half-day workshop
- Sensitize Industry to adopt automation technologies
- Awareness about DHI Schemes

#### Capital Goods Skill Council

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