



**CAPITAL
GOODS SKILL
COUNCIL**



Mr. I S Gahlaut
CEO, CGSC

Dear Readers,

We would like to thank you the CGSC Governing Council, Members, Training Partners/Training Centres, Assessment Agencies and other stakeholders for sharing your valuable feedbacks/suggestions in response to the first CGSC Newsletter.

It gives me great pleasure in sharing our second edition of the newsletter-Yantrashilp.

This edition onwards, we are including a section "Industry Contribution" where articles, opinion and views of Industry experts on various subjects of technology and skills development will be presented. We request the industry experts to share their contributions for publishing in the next edition onwards.

Our aim is to create a high-quality publication that will be relevant, thought-provoking, challenging and inclusive of a diverse range of views and perspectives and make it possible for us all to be fully connected to developments in our field and to be directly involved in ongoing knowledge sharing.

HAPPY NEW YEAR 2020

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CEO, CGSC

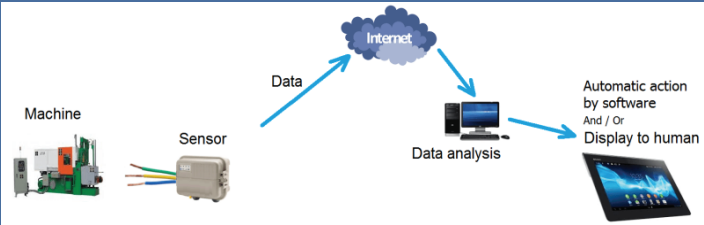
INDUSTRY'S CONTRIBUTION

WHAT IS INDUSTRY 4.0?

Industry 4.0 components explained – just the same old ingredients, new recipe.

Industry 4.0 is the term for a system that comprises these components:

1. Machines
2. Sensors
3. Data transfer over the internet (IOT)
4. Software that analyzes the data and takes decisions – dataanalytics.



The Industry 4.0 components in the picture combine to do this:

1. There's a machine
2. There is a sensor on the machine that collects data from it
3. A sensor sends the data to the internet (IOT)
4. There's software that collects the data and analyzes it.
5. The software sends data to other software, displays it to people, or controls the machine.

That's it. Industry 4.0, by the way, is the same as Smart Manufacturing.

You'll see that all the Industry 4.0 components are familiar to us – machines, sensors, the internet, IOT, software. We've had machines with sensors – almost every machine has sensors showing fluid pressure, temperature, speeds, etc. We've been using the internet for years now. We've been using all kinds of software for years now. None of them is new or revolutionary technology. What IS new and revolutionary is all these working together. Here's a table that shows the difference between how the individual components worked traditionally, and how they work in an Industry 4.0 in manufacturing.

	BEFORE INDUSTRY 4.0	INDUSTRY 4.0
Machine	Same	Same
Sensor	Displays or transmits data locally	Sends data to internet
Internet	Used by people	Used by machines*
Software	Independent of machines- no direct connection	Gets data direct from the Machine and sends other data and commands direct back to the machine

*Hence called IOT, or Internet of things

There are a huge variety of Industry 4.0 applications. The machine can be anything at all – a manually operated machine, PLC based machine, CNC, robot . The sensor can measure cycle start/end, machine on/off, pressure, temperature, vibrations or any other parameter. The software can shut down the machine if there's a tool breakage; it can monitor vibrations for predictive maintenance, inform people that a particular part needs to be changed; it can track machine run hours for preventive maintenance; it can make scheduling or purchasing decisions based on actual production, or do a bunch of other things.

Article Courtesy:



Mr. Dasrathi G V., Director – Application, LEANworx Technologies Pvt. Ltd.

16TH GOVERNING COUNCIL MEETING



16th Governing Council meeting of Capital Goods Skill Council held at FICCI, Delhi on 17th December 2019.

MOU SIGNING



Prof BK Jha, Professor & Principal, School of Manufacturing - Bhartiya Skill Development University, Rajasthan and **Mr I S Gahlaut, CEO, Capital Goods Skill Council** signed the MoU for collaboration in skills development in September 2019. This formalizes the work done in the past & opens new avenues for the future.



Mr. Devesh Agarwal, President, Bangalore Chamber of Industry and Commerce and **Mr I S Gahlaut, CEO, Capital Goods Skill Council** signed the MoU in November 2019 to work together to engage industry for NAPS, Recognition of Prior Learning, Industry 4.0 development and validation of the qualifications

INDIA AT WORLDSKILLS



Capital Goods Skill Council is proud of Koteswar Reddy for winning Medallion of Excellence in Welding and also congratulate Abhinash Swain (CNC Turning), Ganesan R. (CNC Milling), M Vishwanathan (Plastic Die Engineering) and Xenophon Das (M-CAD) for representing India at World Skills Competition held at Kazan, Russia in August 2019. Wish them best of luck for their future endeavours. India finished 13th out of 63 countries who competed at this event by winning 1 Gold, 1 Silver, 2 Bronze Medals & 18 Medallions of Excellence.

FELICITATION OF CGSC FOR WORLDSKILLS



Capital Goods Skill Council was felicitated by Hon' Dr. Mahendra Nath Pandey- Minister of Skills and Entrepreneurship, for supporting India Skills activities at state and regional level, and also providing special training to the candidates for WorldSkills.

TRAINING OF TRAINER WORKSHOP



Capital Goods Skill Council conducted Training of Trainer (ToT) workshop at Ador Welding Academy, Pune for 11 trainers of Empower Pragathi; Central Scientific Instruments Organisation (CSIO) at Chandigarh for 22 trainers; NTT, Bengaluru for 45 Trainers; Shree Balaji Fabrication, Ganganagar for 19 trainers; Vision India, Muzaffarpur for 15 trainers and at IL&FS, Chindwara, for 13 trainers for jobroles of Fitter Fabrication, MMAW/SAW, CNC Operator - VMC, CNC Operator – Turning, CNC Programmer, Draughtsman Mechanical & Fitter – Fabrication, Fitter (Electrical & Electronics) & CNC Operator – Turning from August to December 2019.



Special Training of Trainer workshop on Singapore based model was organised by Capital Goods Skill Council in association with Larsen & Tourbo in the month of November 2019.

For the first time, the workshop was divided in three segments Domain, Platform and 15 weeks OJT. 20 trainers for different Training Centers got proficient under the Fitter Fabrication and MMAW/SAW jobroles.

Special thanks to Larsen & Tourbo for being instrumental in the ToT workshop by providing master trainers and the venue for industry led training.

Capital Goods Skill Council has specially designated ToT centres in Andhra Pradesh, Delhi, Gujarat, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Uttar Pradesh and many more....

TRAINING OF ASSESSOR WORKSHOP



Capital Goods Skill Council conducted the capacity building workshop (ToA) for 24 Assessors at QUIVAN, Kolkatta; 11 Assessors at NTTf, Bengaluru and 14 Assessors at Don Bosco Society, New Delhi. The Assessors from various Assessment Body's participated in job roles of Fitter (Fitter Fabrication & Electrical & Electronics) and Welding (Asst. MMAW/ SMAW, MMAW/ SMAW, MIG, TIG) job roles from August to December 2019.



EXHIBITIONS & SEMINARS



Capital Goods Skill Council participated in Delhi Machine Tools Expo 2019 & Chennai Machine Tools Expo 2019 organized by IMTMA at Geater Noida, Uttar Pradesh & Chennai, Tamil Nadu respectively and Indian Machine Tools Expo organized by ITEI Pvt. Ltd. held at Mumbai, Maharashtra and ENGIMACH 2019 at Gujarat for promotion of Skilling activities in manufacturing sector.

SESSION ON NAPS & RPL



Capital Goods Skill Council organised the third advocacy session on the National Apprenticeship Promotion Scheme 2019 (NAPS) and Recognition of Prior Learning (RPL) in Sep 2019. The session was attended by 33 Industry officials and 28 Third-Party Aggregators and Placement Agencies.

INDUSTRY 4.0

ROUND TABLE DISCUSSION ON INDUSTRY 4.0



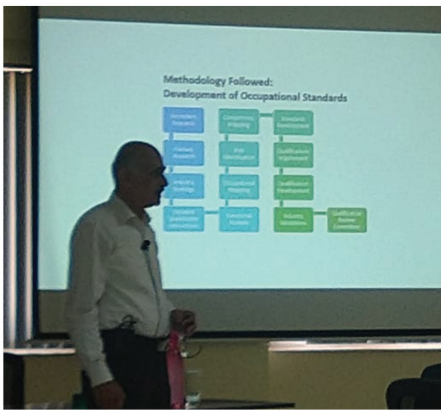
Capital Goods Skill Council participated in Round Table discussion “Strategic Leadership of SSDMs & SSCs for Industry 4.0 Skills Readiness” during the National Summit on Bridging Skill Gaps for Industry 4.0 organised by PHD Chamber of Commerce, New Delhi in September 2019.

WORKSHOP ON INDUSTRY 4.0



Capital Goods Skill Council organised the workshop on Industry 4.0 at Mumbai and Hyderabad along with FICCI and Department of Heavy Industry (GoI).

VALIDATION WORKSHOP FOR INDUSTRY 4.0 QUALIFICATION PACKS



Capital Goods Skill council organised validation workshop in association with Indian Machine and Tools Manufacturers Association (IMTMA), at Bengaluru for validation of Industry 4.0 qualifications.

LEARNING SESSION ON INDUSTRY 4.0



Capital Goods Skill Council organised Learning Session on Industry 4.0 Technologies during ENGIMACH 2019 at Gandhinagar, Gujarat.

The agenda of the session was to create an awareness regarding Industry 4.0 technologies. The session was attended by more than 55 industry officials from the manufacturing sector.

ROJGAR MELAS

NSIC (OKHLA), AUG 2019



More than 150+ trainees registered & 40 candidate shortlisted by employers.

The companies participated were:

- Minda Corporation Ltd.,
- Marut Techno Tools Pvt. Ltd.,
- VGS Industries,
- Apex Plastics and many more.

GOVERNMENT ITI, MATHURA, SEP 2019



Rozgar Mela received registration from 175 candidates & 17 got shortlisted under Welding & Fitter jobroles by IPS Contractors.

SUCCESS STORY



Mr. Ramkumar from Theni district Tamil Nadu, hails from a lower middle-class family. His father is a farmer and mother a housewife. He was searching for a job and on his friend's advice, he enrolled himself for a course in CNC with Capital CNC Training Centre in Chennai. After successful completion of training and a certification from Capital Goods Skill Council.

He got placed with Diesel & Offshore Engineering PTE Ltd, Singapore as a CNC Programmer with a salary of Singapore \$2,600, equivalent to ₹ 1,42,200 per month.

He is now well settled in Singapore and his family is proud of his achievement.

For Further Queries Contact:

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