

YANTRASHILP

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Capital Goods & Strategic Skill Council



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Dear Readers,

It gives me immense pleasure to introduce **Eighth Edition** of Capital Goods & Strategic Skill Council (CGSSC) newsletter, “**Yantrashilp**”, our humble contribution towards the empowerment of the grass root level youth and pre employed workforce.

The need to ensure skill development of the youth is imminent for country’s development and our collective endeavour to take Skill Development and its related opportunities to the Indian youth to enhance their job and career prospects. CGSSC consistently endeavours to expand its footprint and has an impressive presence across the national geography. The Advanced Manufacturing job roles have emerged as an opportunity to develop capacity to impart advanced manufacturing skills and build a robust eco system of training and certification. CGSSC is committed to lead the eco-system and be a model for others to follow.

We thank you all for making the council achieve its milestone of training and certifying over 2 lac trainees across India under various schemes and job roles of the sector. We are industry based set up further encouraging the need of Cluster based trainings for Capital Goods Manufacturing and Strategic Manufacturing in India. We welcome and encourage your continuous involvement in this journey of skilling the youth of India by following integrated need and approach. We would like to extend our gratitude to our industry members, training partners, assessment agencies and everyone associated with our skill council for their constant support.

Ms. Shalini Singh

CEO

Capital Goods & Strategic Skill Council

HOW INDUSTRY 4.0 TECHNOLOGIES ARE CHANGING MANUFACTURING

Industry 4.0 is revolutionizing the way companies manufacture, improve and distribute their products. Manufacturers are integrating new technologies, including Internet of Things (IoT), cloud computing and analytics, and AI and machine learning into their production facilities and throughout their operations.

These smart factories are equipped with advanced sensors, embedded software and robotics that collect and analyse data and allow for better decision making. Even higher value is created when data from production operations is combined with operational data from ERP, supply chain, customer service and other enterprise systems to create whole new levels of visibility and insight from previously siloed information.



These digital technologies lead to increased automation, predictive maintenance, self-optimization of process improvements and, above all, a new level of efficiencies and responsiveness to customers not previously possible.

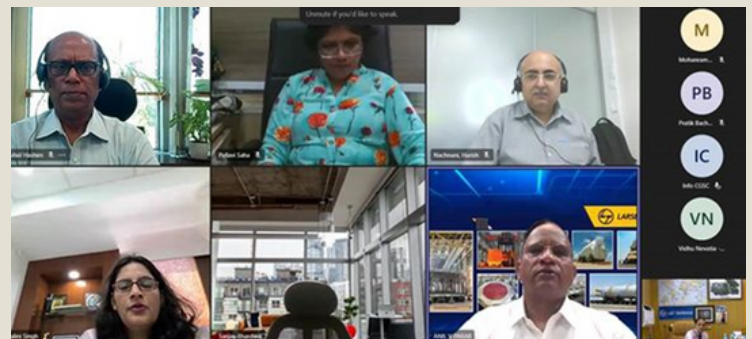
Developing smart factories provides an incredible opportunity for the manufacturing industry to enter the fourth industrial revolution. Analysing the large amounts of big data collected from sensors on the factory floor ensures real-time visibility of manufacturing assets and can provide tools for performing predictive maintenance in order to minimize equipment downtime.

Using high-tech IoT devices in smart factories leads to higher productivity and improved quality. Replacing manual inspection business models with AI-powered visual insights reduces manufacturing errors and saves money and time. With minimal investment, quality control personnel can set up a smartphone connected to the cloud to monitor manufacturing processes from virtually anywhere. **By applying machine learning algorithms**, manufacturers can detect errors immediately, rather than at later stages when repair work is more expensive.

Industry 4.0 concepts and technologies can be applied across all types of industrial companies, including discrete and process manufacturing, as well as oil and gas, mining and other industrial segments.

CGSSC GOVERNING COUNCIL MEETING

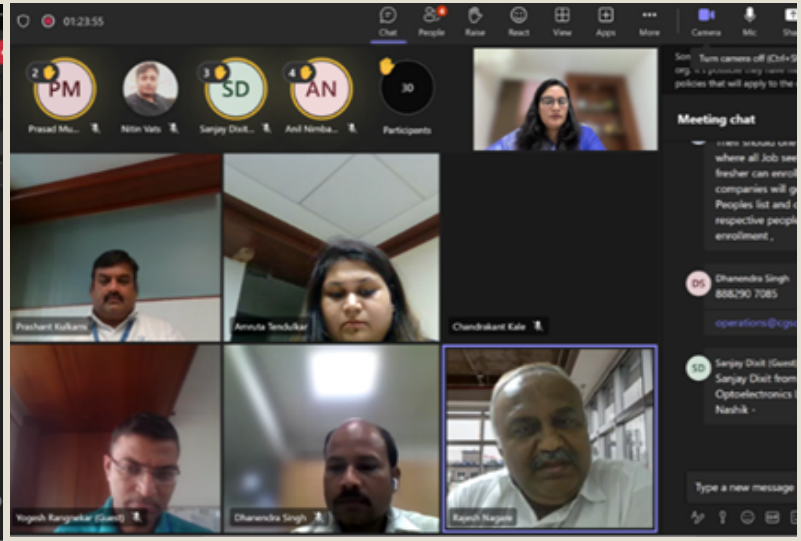
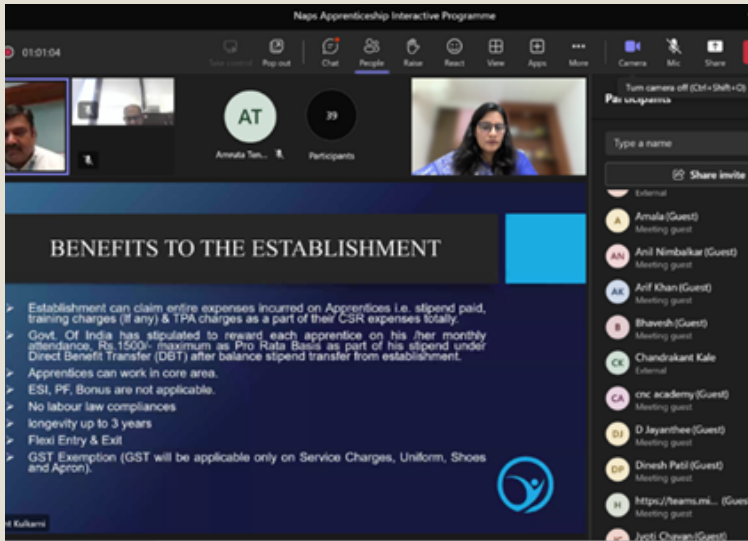
CGSSC hosted 22nd Governing Council Online Meet on 27th March, 2023.



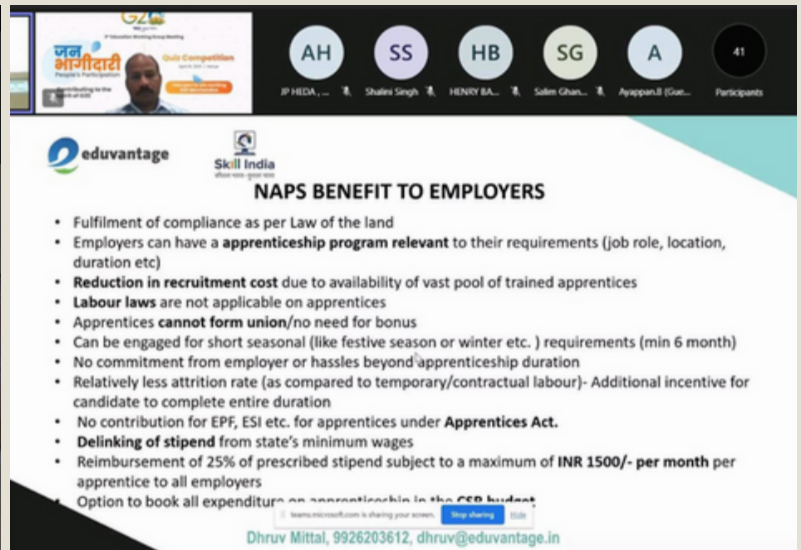
APPRENTICESHIP WORKSHOPS

CGSSC is organizing a series of webinars on **“NAPS Apprenticeship Interactive Programme”** this year.

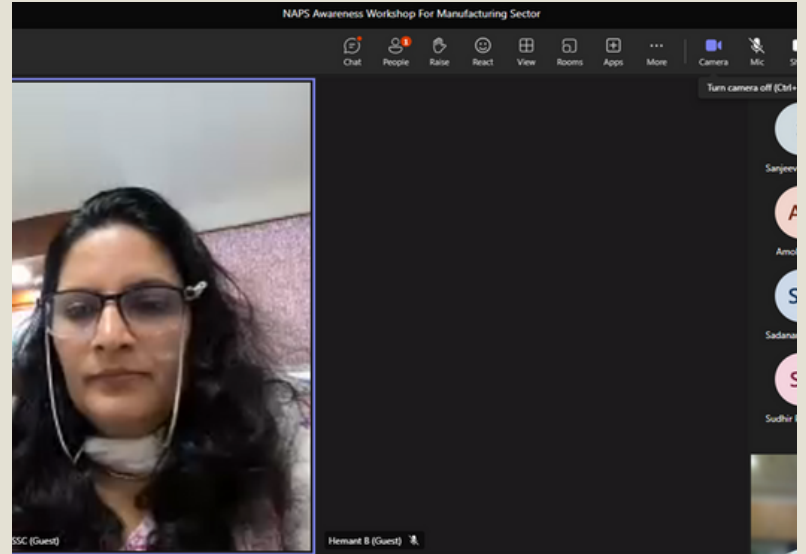
In this series, **the first workshop** was conducted on 12th May, 2023, in association with Third Party Aggregator, **Yashaswi Academy for Skills**, in which participants from over 40 industries joined.



CGSSC conducted **second webinar in the series in association with EduVantage**, a Third Party Aggregator, on 5th June, 2023, in which participants from over 45 industries joined.



In continuation of its webinar series on “NAPS Apprenticeship Interactive Programme”, CGSSC conducted **third webinar, in association with Amigo Hospitality Services**, Third Party Aggregator, on 20th July, 2023, 46+ industries joined in this webinar.



STEP TOWARDS NEP 2020

CGSSC participated in 2 days **Annual National Conference on "Role of Skill Development, Financial Inclusion & Social Entrepreneurship in Building Atmanirbhar Bharat"** at Minto Hall, Bhopal, organised by AISECT GROUP of Universities (AISECT). **Keynote speaker of the Conference Ms. Shalini Singh, CEO - CGSSC** spoke about the importance of skill development and Vocational Skill programs and way forward for implementation of NEP policy and Industry Linkages.





Dr. Ajay Bhushan, Vice Chancellor - Global Skill University, Bhopal, and Ms. Shalini Singh, CEO - CGSSC, signed an MOU for skill training under NEP scheme

INDUSTRY MEET

Capital Goods & Strategic Skill Council team visited the manufacturing facilities of Ace Micromatic Group. The engaging conversations centred around the existing skill sets and the skills required in future to make people employable in industry. The skill gaps between what was taught in academia and industry requirements were also debated at length.

Ace Micromatic Group shown deep interest to be an active industry partner and work closely with Capital Goods & Strategic Skill Council to provide comprehensive, relevant classroom and hands-on technical training to students to make them industry ready and strengthen the Atma Nirbhar Bharat initiative.



In its endeavour of engaging industries, **CGSSC team met L&T Defence team in Hazira** to explore the possibility of leveraging Defence Skilling initiatives and taking the dream project of government to newer heights of success by virtue of providing ample opportunities to Indian youth for gaining knowledge in their interests and turning it into a skill, thereby making them employable.

INDUSTRY ENGAGEMENT

CGSSC signed an MoU with JBM Auto Ltd for skill training of youth under Recruit, Train and Deploy(RTD) Model for various manufacturing job roles under CGSSC. 17th May 2023



MS. Shalini Singh, CEO, CGSSC and Mr. Rajiv Gupta, JBM Auto Ltd. exchanged MoU

MOU signing with K2 cranes Pvt Ltd . The MOU was signed keeping in view the critical need of industries of skilled workforce as crane operators and its safety operations .

K2 cranes and CGSSC will jointly run such programs for ITI and polytechnic students under their CSR initiative.

Leading south based crane manufacturer company K2 Cranes & Components Pvt Ltd - CEO S. Kanimozhi and CGSSC - CEO Shalini Singh



STATE ENGAGEMENT

Meeting with Principal Secretary AP Government - Dr. Vinod Kumar. V IAS MD of AP and Sri S Suresh Kumar IAS to explore possibilities of Skilling in Capital Goods & Strategic Skill Sector.



CGSSC signed MoU with Andhra Pradesh Technical Education Board

STATE NEWS



CGSSC bagged an order from Himachal Pradesh government to skill 500+ youth of Himachal Pradesh in various manufacturing trades.

DEFENCE SKILLING INITIATIVE

Capacity Building Commission hosted a workshop chaired by **Hon'ble Addl. Secy. - MoD** and attended by Defence PSUs and Private Sector Defence Manufacturers. **Ms. Shalini Singh, CEO - CGSSC**, (apex skill body for Defence & Capital Goods Manufacturing sector) **assured the defence ecosystem stakeholders of full spectrum support** to Defence Ecosystem Capacity Building initiative by identifying Skill gap, creating & executing skill Workshops by Domain SMEs to build 'Industry Best Practices' workforce for the defence sector. CGSSC Governing Board members: L&T-HE&V, and L&T Defence shared insight into 'Global Best Practices' with DPSUs and Pvt Defence players. Lockheed Martin, Bharat Forge Ltd, Tata Professionals Advance Systems, and Thales Defence & many other also chipped in.



Highlighting the role of CGSSC in heavy industrial manufacturing skilling, it plays and how it could play an equally vital role in strategic (Defence) Manufacturing Skilling sector.

TRAINERS AND ASSESSORS POOL UNDER CGSSC

TOA PROGRAM

CGSSC successfully conducted Training of Assessors (TOA) program for 23 Assessors in association with Fronius International, Pimpri Industries Area, MIDC, Bhosari, Pune, Maharashtra.



TOT PROGRAM

CGSSC CONTINUOUSLY STRIVES TO UPSKILL TEACHERS WITH BEST INDUSTRY TECHNICAL KNOWLEDGE TO ENSURE QUALITY TRAINING TO TRAINEES.

CGSSC collaborated with institutes of repute for imparting such training programs.

CGSSC successfully conducted Training of Trainers (TOT) program on Fitter Mechanical Assembly, Manual Metal Arc Welding Job Roles for 15 trainers in association with Centre of Excellence in Maritime and ship building Visakhapatnam



CGSSC successfully conducted Training of Trainers (TOT) program on Draughtsman Mechanical, Designer Mechanical, CNC Operator training, CNC operator vertical Machining centre Job Roles for 42 trainers in association with Indo German Tool Room Aurangabad Maharashtra





CGSSC successfully conducted Training of Trainers (TOT) program on Fitter Mechanical Assembly, Fitter Fabrication, Manual Metal Arc Welding and Metal Inert/ Active Gas welding Job Roles for 22 trainers in association with Steelcast LTD. Bhavnagar, Gujarat.



TRAINING PARTNERS ACTIVITIES

CGSSC partners with various Best In class training Institutes to undertake skilling activities . Few leading training partners recently joined hands to conduct various RPL/ CSR projects for various Industries.

SkillSonics is an affiliated training partner with CGSSC & is a mission driven, triple bottom-line oriented international provider of skills & apprenticeship training and professional skills and incorporated in Switzerland, India, and South Africa. SkillSonics implements skills training programs for manufacturing sector workforce and trainers.

SkillSonics Overview - A Swiss Training Organisation:

- SkillSonics, in association with CGSSC, is conducting a training program at Bharat Electronics Limited under their CSR initiative.
- The programs will provide a skilled workforce in CNC operator turning, CNC Operator VMC, Fitter mechanical assembly and Manual metal arc welding.
- Through this program, a total of 130 students so far have received training and 90% of students have secured successful placements in prestigious organizations.
- Candidates who successfully complete training programs are assessed and certified by experts from CGSSC.
- Proven Implementation in India since 2008
- Industry proven World Class content, expertise and processes
- Internationally accepted Assessment Methodology
- Over 125 course packages in the field of Mechanical, Electrical, Mechatronics, Machining and Industry 4.0 for Production, Maintenance and Service technicians
- SkillSonics has been training Engineering Graduates on Robotic Simulation, Electric Vehicle, Machine Learning, Solar PV, industry 4.0 and other manufacturing training programs to build up trained workforce for the new economy.



Visit to CEMS training partner institute for skilling in strategic Sub sector & advanced manufacturing skills.

STUDENTS TESTIMONIALS

1. BEL CSR Initiative – Santosh Kumar

Santosh Kumar is a resident of Yadgiri, Karnataka. He belongs to a farmer family, which consists of four family members. His family was struggling with lots of financial problems. Santosh Kumar decided to help his father and the same time he came to know about the Fitter Mechanical Assembly training program offered by Capital Goods & Strategic Skill Council in association with Bharat Electronics Limited & Skill Sonics under CSR activity. He joined the program, which reshaped his career and life.

He was trained in BEL for Fitter Mechanical Assembly. He gained practical exposure and proper OJT. At present, Santosh Kumar is currently employed with TPI Composite Pvt, Ltd., Chennai and he is getting Rs. 15,000 per month. His family got an extra financial support. He expressed gratitude to Bharat electronics Limited, Capital Goods & Strategic Skill Council and trainers for providing him such a great knowledge and skills. This opportunity enabled him to gain valuable experience and knowledge which is going to transform the career and life of Santosh Kumar.



2. BEL CSR Initiative – Likhith Kumar

Likhith Kumar belongs to Hoskote Bangalore Urban, Karnataka. There are five members in Likhith's family. His family had financial challenges, so he decided to support. **Likhith Kumar joined Fitter Mechanical Assembly training program in Bharat Electronics Limited, which was offered in association with Capital Goods & Strategic Skill Council & Skill Sonics was the program delivery partner.** He successfully completed the theory, practical and on-the-job training for Fitter Mechanical Assembly.

After completion of the course, Likhith Kumar joined Jeevi Engineering Works, Hosur Tamil Nadu with a monthly a salary of Rs. 15,000. With the career start of Likhith, his family is extremely happy that he can support his family financially and got a good career opportunity. Likhith says that this 2-month program changed the direction of his career and life. He paid a lot of thanks to Bharat Electronics Limited, Capital goods & Strategic Skill Council and trainers for providing such a good opportunity.



CGSSC MEMBERSHIP

Benefits to CGSSC Partners / Members:

- Industry led programs based on current/projected workforce requirement
- Platform to connect Government – Industry & Vocational stakeholders
- Recognition of Prior Learning, Upskilling, and Certification of your Manpower
- Industry led skilling
- Industry specific customized supports
- Opportunity to utilize CSR funds on Skill Initiatives.
- Workforce Assessment as per Industry Standards by Certified Trainers & Assessors
- Provides workforce trained on Transnational Occupational Standards
- Captures Industry manpower requirements and specific needs based on geography, job roles, etc. in advance
- Access to research-based data & information on Human Resource Workforce Development
- Opportunity for Experienced/Retired experts to contribute as Trainers, Master Trainers, Assessors, Lead Trainers
- Opportunity to participate and draw benefits from CG Sector Centres of Excellence for higher order skills and research to find solutions to specific skill issues.
- Preferential Access to existing database of CGSSC certified manpower.
- Access to CGSSC certified candidates under the Pradhan Mantri Kaushal Vikas Yojana (PMKVY) who could be directly hired under the Apprenticeship Act.
- Opportunity to recommend a second career to your retiring / retired employees to use their experience to train / assess the future / existing workforce by becoming trainers / assessors with CGSSC affiliated training centres / assessment bodies.
- Opportunity to participate in the organised labour market surveys to identify the skills gaps / deficiencies and indicate the future requirements for the training system to gear up to meet your needs.
- Assistance in aligning your in-house training centres to the requirements of National Skills Qualification Framework (NSQF).

For Industry Trade Association Membership contact:

Mr Dhanendra Singh

+91 888 290 7085

industryrelations1@cgsc.in

 CGSC.India

 CGSC_India

 www.cgssc.org

39, 1st Floor, Samyak Tower, Pusa Road, New Delhi - 110 005