



# Yantrashilp

CGSC NEWSLETTER  
VOLUME 6

## Message from Chairman



**Mr. Anil Parab**

Chairman CGSC



India march ahead in Azadi ka Amrut Mahotsav on the wave of innovation, digital and people skill to fulfill the dream of Atmanirbhar Bharat.

We, at CGSC, are committed to raise, embrace and impart new skills to aspiring workforce. CGSC shall receive its recognition as the strongest pillar to any institutional landscape. We firmly believe in the philosophy of "Collaborate and Develop" and hence invite our forthcoming partners to join us in celebrating the journey of going Global from Local.

## Marine and Underwater Domain Awareness



India, having a distinct coastline of more than 7000 sq. kms. has been cosmopolitan in modernising research backed with comprehensive analysis of the emerging underwater challenges. With major economic powers like China, U.S and Russia, upgrading their submarine fleets and building advanced underwater vessels to enhance surveillance capabilities, the competition for dominance in the Indo-Pacific region has intensified.

The development streak undertaken at college levels and with uprising of institutes offering specializations in courses, the talent is channelized and encouraged to innovate for water and underwater world.

Institutions like Marine Technological society, Maritime Research center, lead by the National Institute of Oceanographic Technologies are inviting collaborative development for different submarines, programmed for carrying out unmanned tasks, inside water.

The underwater domain awareness has taken a multifold approach of diversifying vessel developments that are compact and task specific, offering usability, beyond defence purposes.

Stating instances where institutes of academic importance are encouraging young innovators to develop vessels for assessing water quality, the dawn of 'miniaturized submarines' has begun.

Domain, in an expanded view pertains to biographical and geographical exceptions which are difficult to cover and hazardous to approach, by human intervention. Hence, the unexplored oceans, on the broader side, is offering eclectic opportunities for the vessels to contribute towards smaller to bigger, problem solving.

Few wonderful examples of biomimicking ocean species to study their world and contribute towards development of a better habitat is in splendid demand and discussion. Innovators have also researched on the opportunities to communicate underwater through NATO protocols, therefore taking the benchmarks to highest precision scales.

Newer opportunities of 'internet-underwater', 'swarm technology' and 'acoustic communication' will be a game changer in creating add-ons to vessel development, over dynamic platforms. Precise collaboration of institutes, government bodies, academia and commercial establishments is at an all-time boom and is pre-lead by grant-based opportunities offered through various government bodies, encouraging, indigenous innovation.



Ocean exploration will be the major criteria in economic gain(s) at an international scale since mineral reserves and oil and gas specific industries would look forth to implement tech-based solutions to ensure maximum share.

Innovation has deepened its roots for water sector and not-for-profit organisations have also joined hands in creating awareness on major problems, that call for a solution. Hence, 'Collaborate-and Develop' will be the upcoming call to experience best of the evolving technologies, for ocean sectors, world-wide.

Article Author

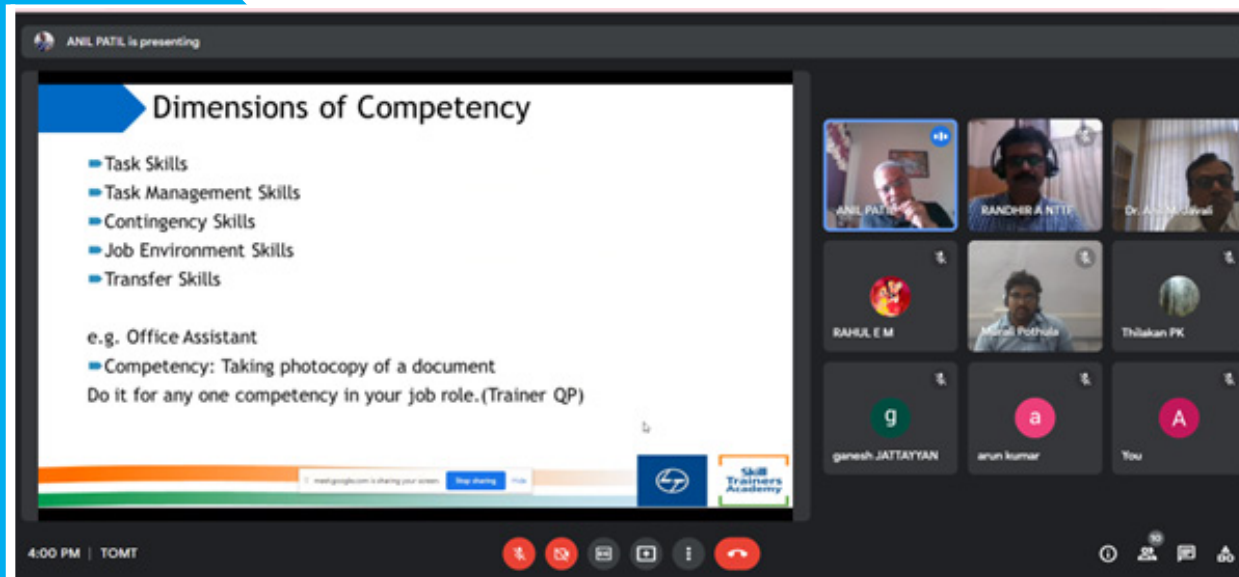
Mr. Siddhant Bajpai  
Founder & CEO  
Andromeida Maritime  
Solutions Pvt Ltd

## CGSC – exploring Marine & underwater domain initiatives with National Institute of Ocean Technology (NIOT) Chennai.

Categorising sustainability and its impact into the mainstream, CGSC led meeting was organised with NIOT, Chennai Ms Shalini Singh (COO & Acting CEO- CGSC), Mr. Sanjay Bhardwaj (Head Strategy & Industry Interface) met with Dr. G.A Ramadass (Director-NIOT), Dr. D Rajasekhar and other eminent Scientist. The primary objective of this round-table was to explore avenues of collaboration to launch joint Centre of Excellence for Marine Excellence and co-create qualifications and curriculum catering to underwater domain Skilling.



## CGSC successfully Conducted online Training of Master trainer program (TOMT) for Industry experts.



CGSC under 'Training of Master Trainer' program garnered an enthusiastic response from various domain Industry experts who inspires to give back to the society and join hands with CGSC as certified Master Trainers for conducting various train the train program under Skill India Mission. CGSC conducted this workshop and certified eight master trainers in job roles of CNC Operator, Draughtsmen Mechanical, CNC Milling and Turning.

# CGSC successfully trained 76 trainers under TOT program



CGSC in association with L&T Skill Academy Mumbai conducted 'Train the trainer' program for 12 Trainers from various states in May 2022. The aim of the workshop was to reskill trainers and teach them imparting skills to youth on capital Goods Job roles. The session was conducted by Industry experts and certified Master trainers of CGSC on various job roles like Assistant Manual Metal Arc Welder, Manual Metal Arc Welder, Fitter Mechanical Assembly. CGSC also conducted TOT program for 64 school teachers of TamilNadu school board on Draughtsman Mechanical



## VAK Theory



### வி.ஏ.கே.கோட்பாடு

- **Visual** learning style involves the use of seen or observed things, including pictures, diagrams, demonstrations, displays, handouts, films, flip-chart, etc.

காட்சி கற்றல் பாணியில் படங்கள், வரைபடங்கள், ஆர்ப்பாட்டங்கள், காட்சிகள், கையேடுகள், படங்கள், ஃபிளிப்-விளக்கப்படம் உள்ளிட்ட பலவற்றைப் பார்த்த அல்லது கவனிக்கப்பட்ட விஷயங்களைப் பயன்படுத்துவது அடங்கும்.

- **Auditory** learning style involves the transfer of information through listening: to the spoken word, of self or others, of sounds and noises.

செவிவழி கற்றல் பாணி கேட்பதன் மூலம் தகவல்களை மாற்றுவதை உள்ளடக்குகிறது: பேசும் வார்த்தைக்கு, சுயமாக அல்லது மற்றவர்களுக்கு, ஒலிகள் மற்றும் சத்தங்கள்.

- **Kinesthetic** learning involves physical experience - touching, feeling, holding, doing, practical hands-on experiences.

இயக்கவியல் கற்றல் என்பது உடல் அனுபவத்தை உள்ளடக்கியது - தொடுதல், உணர்வு, பிடி, செய்தல், நடைமுறை அனுபவ அனுபவங்கள்.



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# NCVET Recognises CGSC as Awarding body



Recognition of “Awarding Body” to CGSC by National Council for Vocational Education & Training (NCVET)” Dr. N S Kalsi (Chairperson - NCVET)  
Ms. Shalini Singh (COO & Acting CEO- CGSC)

## Exploring opportunities to partner with FRONIUS at Fronius Pune

CGSC, a preferred partner of choice, has benchmarked valuable collaborations with Industries across domains. CGSC Ms Shalini Singh

(COO & Acting CEO-CGSC) visited Fronius India Pune facility and met Mr. Vishwanath Kamath MD Fronius India to explore opportunities for joint collaboration on making Welding as aspirational career.



# MSDE – organized Leadership program for SSC/MSDE/NSDC/DGT Officials at ISB Mohali.



The Ministry of Skills and Development facilitated one week leadership program for various Senior officials of SSC, MSDE, DGT and NSDC in association with ISB-Mohali from 13th May, 2022 to 17th May, 2022.

The agenda of this leadership program was to improve implementation of proven methodologies by the leaders, within their organisation, to achieve optimised results through managing team(s), efficacy in implementation of strategies including managing data for better productivity profitability of the organization.



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