

A ROAD TO SKILLED INDIA

tcb.qcin.org



14

QCI's 25 years of Journey

58

7th National Standards Conclave

101

India's Tryst with G20 Presidency

122

Risk Management



Training and Capacity Building (TCB)

TCB Cell was formed to conduct Training and Capacity Building initiatives at the national and international levels centrally in a structured manner.



EDITOR'S NOTE



Dr Ravi P. Singh
Secretary General, Quality Council of India

Dear Friends,

Firstly, on behalf of all our stakeholders, I would like to extend our heartiest welcome to our new Chairperson, Shri Jaxay Shah, an eminent industrial stalwart with extensive experience and leadership in the infrastructure sector. From establishing one of India's largest professional conglomerates, the Savvy Group of Companies to erstwhile representing the Confederation of Real Estate Developers' Association of India (CREDAI) as its National President, his experience shall prove invaluable in propelling our organization's initiatives to bring quality consciousness amongst all citizens of India. I also take this opportunity to express our deepest gratitude to Shri Adil Zainulbhai, our former Chairperson, and current Chairperson, Capacity Building Commission for helping QCI scale new heights over the last 8 years. His contributions in invigorating this organization shall forever be remembered with fondness and respect.

With an endeavour towards realizing our mission of 'Gunvatta se Atmanirbharta' for establishing a quality ecosystem in India, QCI concluded 2022 by achieving remarkable accomplishments in the last two months. As QCI marked 25 years of its journey, a memorable celebration was held on 6 October 2022 at Dr Ambedkar International Center. The event was inaugurated by Shri Piyush Goyal, Hon. Minister of Commerce and Industry and other dignitaries like Shri Amitabh Kant and Anurag Jain and others. The platform commemorated the achievements made by the organization in the past 25 years and served as a vital medium to establish the blueprint of India's quality ecosystem for achieving the growth vision for a developed India in 2047. In last three months, our boards and divisions made great strides in bringing quality to new and emerging areas. With the launch of the Accreditation Scheme for Certification Bodies certifying organizations for Facility Management Systems, NABCB became one of the few institutions in the world that accredits Certification Bodies certifying businesses offering facility management certification in accordance with ISO 41001: 2018. QCI-NABCB in association with the Ministry of Commerce and Industry and Confederation of Indian Industries (CII) co-organized the 7th National Standards Conclave that provided a channel for the confluence of ideas for charting India's leadership in global standards making.

I am also elated to share that the National Institute for Chartered Program/ Project Professionals (NICPP), which

is being set up under QCI along the lines of ICAI to act as the premier institute for training, certification, and development in Program & Project Management in India launched the beta version on 1 November, 2022. So far, 160+ registrations were received on the NICPP exam portal for certifications in Level 0, 1, and 2. QCI was nominated by DPIIT to conduct the impact evaluation of the training and employment data placed against the Primary Skill Development Program under the HRD sub-scheme of the Indian Footwear, Leather & Accessories Development Programme (IFLADP). We have successfully carried out the assessment for the training provided by the Central Footwear Training Institute (CFTI) in Agra in December 2022, and the assessment for the CFTI in Chennai shall be commencing in January 2023.

This quarter, we had the pleasure of expanding our contours to new areas of intervention with the Ministry of Culture collaborating with QCI to streamline all central sector schemes under its purview in accordance with the government's aspirations and review all its agencies and organizations. As a result, our team prepared a compendium of 30+ successful case studies and studied 43 organizations as per the mandate by visiting cultural organizations located across West Bengal, Assam, Rajasthan, Nagaland, Arunachal Pradesh, Uttar Pradesh, etc. Scaling new horizons in the upskilling ecosystem, TCB which serves as QCI's premier capacity-building division received 900+ unique learners receiving training programs in cross-cutting areas like Testing & Calibration Laboratories, Medical Laboratories, product certification bodies, general management, etc. In addition, QCI-TCB serves as the Key Resource Centre (KRC) for Jal Jeevan Mission (JJM) conducted two residential training programs in Ladakh and Hamirpur, Himachal Pradesh in an attempt to transform the drinking water sector through experiential-based capacity-building initiatives.

We are grateful for the cooperation and support of our esteemed stakeholders, who help us serve the nation. As QCI completes its 25 years milestone, we as an organization enter a new era to build on our past legacy and be the torch-bearer of quality.

With this, I wish our readers a very Happy, Prosperous, and Impactful New Year, and look forward to witnessing a promising 2023!

The leadership changes hands at QCI.
Shri Jaxay Shah takes the charge as
the new **Chairman**.



21st October, 2022

We are excited to have you at the helm of our ship.
We look forward to the growth of our organization
as you navigate us towards greater success.

Welcome aboard!

06



Training and Capacity Building (TCB)

With the promise of new beginnings, a revamped Learning Management System (LMS) of our portal, eQuest, was created, with highly advanced functions and user-friendly modifications which boast of an ever-increasing array of courses in a variety of domains.

14



25 Years of Quality Council of India

‘There is no better festival than celebrating India’s quality, and it should become the DNA of every citizen.’

NABH

National Accreditation Board For Hospitals And Healthcare Providers

OUR DIVISIONS/ CELLS



84 Zero Defect Zero Effect



86 Project Analysis & Documentation (PAD) Division



91 Project Planning & Implementation Division



94 Research Analysis and Capacity Building (RACB) Division



96

NABH

National Accreditation Board For Hospitals And Healthcare Providers

NABCB

National Accreditation Board For Certification Bodies

36



32

NABL

National Accreditation Board For Testing And Calibration Laboratories

52

NABET

National Accreditation Board For Education And Training

64

NBQP

National Board For Quality Promotion

IN-HOUSE ARTICLES

101 India’s Tryst with G20 Presidency

103 Menstrual Hygiene: A Matter of Concern

105 Harnessing the Power of Clean Energy

MEMBERS/ GUESTS WRITE

116 Circular Economy Approach for Achieving Net Zero Targets of 2070

109 Training Indian Gen Z in the Era of Generative AI and Industry 4.0

120 Freedom – Ultimate Goal for Quality of Life

112 A Study on the Standards of Inks for Food Packaging in India

122 Risk Management

Training and Capacity Building (TCB)

A Road to Skilled India



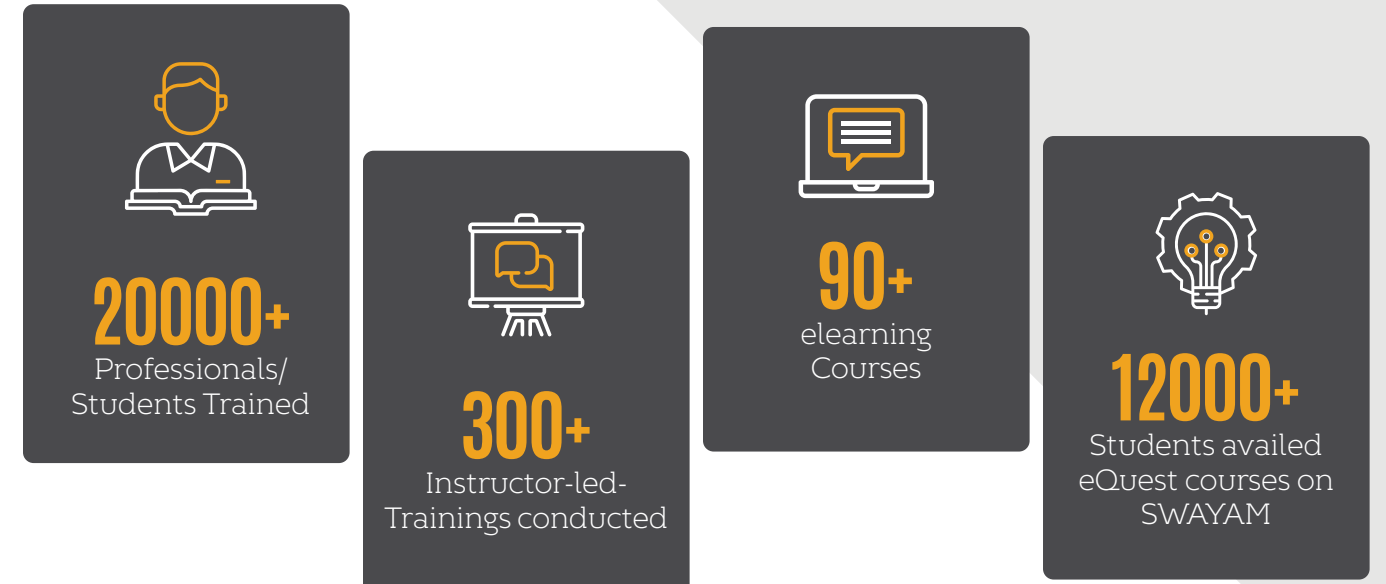
Every country has an appetite for growth, development, and progress. India boasts being one of the youngest nations in the world and it is believed that this dynamic segment of population has tremendous potential to transform any economy. The role of youth in the nation building is crucial, so providing quality education and skilled workforce remains a challenge for our nation.

Our Hon'ble Prime Minister envisioned a Self-Reliant India by shifting focus on domestic manufacturing sector and augmenting investment. In 2015, Hon'ble Prime Minister launched the flagship programs of Digital India and Skill India to support the above; however, to realize this ambitious vision, it was imperative that working population should be highly skilled and trained.

Inception of eQuest

It is said that 'an investment in knowledge pays the best interest' and seeing this as an opportunity to play an important part in the country's development, Quality Council of India, under the leadership of our Secretary General, Dr. R. P Singh saw an opportunity to scale up capacity building activities through digital platform. As an antidote to the challenge of reaching wider audience, eQuest, the elearning platform of QCI was conceived. **eQUEST, which is an acronym for E-Quality Platform for Employability through Skills and Training** is viewed as a portal, which in the words of the Secretary General, is a "ticket and passport for employment to fly anywhere around the world and make space for oneself".

During the august gathering of 10th National Quality Conclave, held on 7-8 August 2015, eQuest was officially launched with a new Learning Management System and a course on Clinical Audit developed jointly with NABH in the domain of healthcare. This was the first quality related course and subsequently, over the years, it expanded at a massive scale. Since its inception, it has been eQUEST's constant effort to increase the number of courses available in its pool. To do so, eQUEST has continually collaborated with its empaneled experts of high caliber and expertise. Presently, it hosts over **90+ eLearning courses** in the domains of Agriculture, Education, Environment, Healthcare, Quality, Laboratory, Technology. Moving forward, we shall try to explore uncharted arenas to develop courses that reflect the promise of true Quality.



In 2017, eQuest partnered with **SWAYAM an eLearning platform launched by Ministry of Education, Govt** and became its Principal Investigator (PI) under national coordinator Indian Institute of Management, Bengaluru. In 2021, eQuest took over the role of a supporting partner of IIMB SWAYAM for IIMB courses on SWAYAM.

4 -Credit Courses vetted by IIMB under Management Category

Manufacturing Competitiveness

Continuous Quality Improvement (CQI)- Tools and Techniques

Total Productive Maintenance

However, growth is infinite and eQuest through signing MoUs with esteemed universities and Government departments is visioned to grow by leaps and bounds. The association with them is built on QCI being acknowledged by these universities and departments for training & capacity building interventions in the form of learning activities to enhance skills and capacity of students, personnel, functionaries, and institutions.

QCI has signed MoUs with reputed Universities/ Government Organizations like:

Indian Agricultural Research Institute

The ICFAI Foundation for Higher Education (Deemed University) Hyderabad (ICFAITECH)

The ICFAI, Dehradun

BML Munjal

National Productivity Council

GH Rasoni

SRM University, Sikkim

MNIT, Jaipur

CVRGI, Bhubaneswar

GLA, Mathura

NITTTR, Chandigarh

MoU SIGNED BETWEEN NITTR, CHANDIGARH AND QCI



MoU SIGNED BETWEEN BML MUNJAL UNIVERSITY AND QCI



MoU SIGNED BETWEEN GLA, MATHURA AND QCI



MoU SIGNED BETWEEN IARI AND QCI



MoU SIGNED BETWEEN NPC, DELHI AND QCI



TIMELINE

2023 Capacity Building: Upwards & onwards

2022 Completed Training: 20000+ Professionals/ Students, conducted 300+ trainings

2020 Establishment of **Training and Capacity Building (TCB) Cell**

2017 Collaboration with **SWAYAM and Universities**

2015 Inception of eQuest

Quality Ethics **Standards**
 Digital Marketing UOM Technology Yellow Belt
 Instructor-led-trainings Organizational Values ISO/IEC 17021-1:2015
 Green Belt Cost of Quality ISO/IEC 17025:2017 Healthcare
Lean Six Sigma Virtual Trainings
 Laboratory Environment ISO/IEC 17020:2012 Education
 Certification ISO/IEC COI
SWAYAM WASH **e-Learning**
 Risk management Short Term courses Instructor-led-trainings
 MSME ISO 15189:2012

TCB Cell

However, with eQuest, the scope was limited to disseminating of knowledge through self-paced courses. To conduct Training and Capacity initiatives at the national and international levels centrally in a structured manner, a Cell, independent of the Boards at QCI, by the name of **Training and Capacity Building (TCB) Cell**, was formed in the year 2020.

The saying "smooth seas never made good sailors" holds especially true for the Cell's turbulent beginnings owed to the onset of the Covid-19 pandemic. However, rising to the call of the challenges ahead and paradigm shift in the imparting of education, the Cell sought out to expand by conducting its activities online, through a series of Webinars and Virtual Trainings on International Standards and domains, which were conducted both nationally and internationally.

With the promise of new beginnings, a revamped Learning Management System (LMS) of our portal, eQuest was then created, with highly advanced functions and user-friendly modifications which boasted an ever-increasing array of courses in a variety of domains. The first set of instructor-led- virtual trainings, heavily focused on Laboratories and related standards like ISO/IEC 17025, ISO15189 and Uncertainty of Measurement. The knowledge was delivered in real-time and instructors could interact with participants over the screen.

Over the course of two years, TCB continued to widen the possibilities and venture further in its education initiatives by expansion through variety. It conducted trainings on an array of topics belonging to an even wider range of domains, highlighting TCB's commitment towards branching out to different avenues and imparting Quality education to all. TCB started

trainings on eclectic courses like Lean Six Sigma (Green & Yellow Belt), Organizational ethics, Cost of Quality, Digital Marketing and Vendor Risk Management etc.

TCB, in collaboration with ZED Division, conducted a series of trainings on the WASH Standards, all in the virtual mode. With the success of these trainings, the topic was then turned into an e-learning course that can be availed on the eQuest portal.

When TCB was conceived, offering customized trainings to organizations was one of its attributes. Till now, it has administered several customized instructor-led trainings for esteemed organizations and universities at the National and International Level, such as GLA University, ICCFAI University, Public Health Engineering Department of states like Himachal Pradesh, Madhya Pradesh, Rural Drinking Water & Sanitation Dept., Bengaluru etc. During Covid-19, while everything stalled, TCB jumped through hoops to keep the activities running smoothly.

Post-Covid: The Shift in the Narrative

Just as the gates of the world had started opening, so did the horizons of TCB and with the start of the On-site Trainings, the officials organized trainings in the farthest reaches of the country, and increased the outreach of the Cell, solidifying its promise of conducting Training and Capacity Building initiatives to the highest levels of excellence.

It was with the empanelment

of QCI/TCB as a Key Resource Centre under the National Jal Jeevan, for the purpose of dissemination of knowledge and best practices, that the roads of progress were opened for TCB.

The objective of the Mission is to disseminate knowledge and best practices regarding water conservation. The trainings were first imparted in the virtual mode to the PHED Officials of various states such as Andaman and Nicobar Islands, Manipur, Meghalaya, Nagaland, Sikkim, Goa, Rajasthan, Tamil Nadu, Telangana, Puducherry, Arunachal Pradesh, Karnataka, Odisha, Punjab, Kargil, Maharashtra, Kerala, Uttar Pradesh, Madhya Pradesh, Assam, and Jharkhand for their capacity building. At the

beginning of 2022, TCB Team set out to conduct several on-site trainings which would lead them to the farthest corner of the country, from Haryana & Punjab to Bihar, Rajasthan, Himachal Pradesh, and even the cold desert of UT of Ladakh.

While imparting the knowledge, the officials of TCB were able to connect with high-ranking officials of PHEDs around the country, which familiarized them with the different issues related to water quality faced by people across India. The trainings conducted garnered the participation of more than 1000 participants from various states of the country, and included stakeholders such as DWSM Officials, Superintending Engineers, Executive Engineers, Water Utility Managers and Water Testing laboratory personnel from Public Health and Engineering Departments (PHEDs)/ Rural Water Supply (RWS) Departments/ Public Works Departments (PWDs), etc. for Level-2 Trainings and Elected Panchayati Raj Institution (PRI) Members, Gram Panchayat (GP) Officials, VWSC Members, Members of Implementation Support Agencies (ISAs), etc. at the Community level for Level-3 training.



Training on 'Provisions of RTI Act, 2005' for the officials of University Grants Commission



As the KRC for JJM, residential training for the participants of Level-3 (Community Level) were conducted in the State of Haryana and UT of Ladakh

TCB also conducted several Awareness Programs in esteemed universities and organizations where lectures on important topics such as Industry 4.0, Quality Infrastructure, Accreditation, and its importance, Conformity assessments, etc. were delivered. Members of TCB exchanged dialogues on national and international platforms such as (SADCAS) Botswana, Rajkot Management Association and American Society for Quality, Vishwa Yuva Kendra, DRDO & CDAC, International Conference on Advances in Metrology.

TCB also organized Instructor-Led-Trainings for University Grants Commission on Right to Information Act, Directorate General of Quality Assurance (DGQA) on standards.

What's up with TCB?

To break and redefine the limits of what is possible, TCB is currently in the process of venturing into the terrain of providing technical guidance, handholding for Laboratories and esteemed Government organizations across the country. These activities shall focus on conducting customized trainings and providing the necessary guidance required for empowering the manpower to develop the process flow systems from ground up, and upgrading the existing functions at play, so that the Laboratories, markets, and stakeholders may contribute to the growth of the economy by becoming active players within the market.

To celebrate QCI's 25th Anniversary, and to uphold the promise of providing Quality in all aspects, TCB has launched 27 e-learning Capsule Courses, focusing on a variety of subjects pertaining to the domains that form the core of the Organization, such as Digital Marketing, Management, Technology, Trade, Environment, Food and Quality. The courses were developed with painstaking detail through our collaborations with esteemed faculties having decades of expertise in their respected fields. These courses have a run-time of around 30 minutes, allowing the learners a brief rundown of the subject,

which shall help beginners, and experts alike, in refreshing existing skillsets and inculcating new skills in their arsenal.

TCB's Global Footfall

It is the mission of TCB to conduct Training and Capacity Building initiatives at the international levels in a structured manner, and to keep to our word, TCB went global, with many of its participants for several courses on standards and accreditation hailing from different parts of the world like Australia, Sri Lanka, Qatar, Abu Dhabi, UAE, Pakistan, USA, Bhutan etc. TCB has since conducted trainings, awareness programs and imparted talks on various Standards for organizations and institutions

belonging to Saudi Arabia, Sri Lanka and Qatar on an array of standards.

Several notable International engagements of TCB include the two-day training on 'ISO/IEC 17025:2017: Interpretation and Best Practices of Implementation', taken at the Gulf Chemistry Association Conference and Exhibition (GCA 2022) in the Kingdom



2-day on-site training in Nepal sponsored by PTB Germany on 'ISO 19011:2018 Internal Audit' for the officials of the Government of Nepal



A 2-day training on ISO/IEC 17025:2017: Interpretation and Best Practices of Implementation was delivered at the Gulf Chemistry Association International Conference and Exhibition (GCA 2022) at Manama, Kingdom of Bahrain



Visit to Leuven, Belgium to attend the UNFSS Academic Advisory Council meeting



Training sponsored by PTB Germany for the officials of Sri Lanka Accreditation Bodies (SLAB), Govt agencies and regulators on "Principles and requirements of ISO/IEC 17029:2019 for validation and verification bodies"

of Bahrain, and trainings conducted for esteemed organizations such as the training sponsored by the World Bank on 'National Quality Infrastructure Development Project', regarding the expansion of accreditation scope for the Federal Democratic Republic of Ethiopia, Ministry of Trade and Industry through Training and Capacity Building activities. The purpose was to support in providing expansion of Accreditation Scope, Training & Capacity Building, along with a series of trainings and courses conducted under the framework of the Physikalisch-Technische Bundesanstalt (PTB) Germany sponsored project on Strengthening of the Quality Infrastructure of SAARC nations like Nepal, Sri Lanka etc. with departments/ Organizations like SLAB Sri Lanka, on topics such as 'Laboratory System as per ISO/IEC 17025:2017', 'Uncertainty of Measurement and Decision Rule as per ISO/IEC 17025:2017', 'ISO/IEC 17025:2017 - Risk Management Requirements & Implementation in Laboratories', 'ISO19011: Internal Audit as per ISO/IEC 17025:2017'.

Looking Onwards and Upwards

So where does TCB go from here? With the world waking up from a deep slumber, the possibilities on the horizon seem endless, and from here on, we intend to tread as many domains as can be and take on tasks that shall help us keep true to the promise of excellence and grow as we go.

- We aspire to venture into enhancing capacity building of sector specific industries commencing with food sector. The idea is to seek solutions for lack of training of personnel, lower industry specific skills, which ultimately affect the industries, regulatory authorities, and other stakeholders to build capacities across Indian Food Chain Actors
- Under the MoU signed between IARI and QCI, about 5 National Level Model Training Programs have been envisaged focusing on the priority areas in agriculture, especially quality issues in

agriculture including food safety, health, environment, and sustainable goals

- Jointly with NABH, to create a skilled population to improve the emergency services of the country, trainings on Basic Life Support for the Non-medical staffs are underway

- TCB/ eQUEST has framed a program on Q101, or Quality for Everyone with

the aim of introducing Quality to the people newly entering into the workforce: the students, whether they are pursuing their under-graduation or just graduating from high school. The short-term courses will be in different vernaculars

- TCB envisions to work with school in achieving the goal of Holistic Development for School by conducting workshops focusing on the overall development of students, through topics such as persona build-up, gender education, stress-free living, study skills etc, which shall help inculcate positive habits such as confidence, leadership, and creativity

From here on, the possibilities are endless, and to widen the horizons, TCB plans to undertake several Projects dealing with national and international clients and provide technical guidance and handholding. These activities shall test the limit to which TCB can grow in the coming years, and allow the Cell to realize the goals that it had envisioned in its inception.

CELEBRATING 25TH

ANNIVERSARY

QUALITY FIRST

25 Years of Quality Council of India

QCI's 25 years journey has had three consistent elements:

VIBRANCE **FLUIDITY**
ADAPTABILITY

The Quality Council of India (QCI) celebrated a key milestone of completing 25 years and the momentous occasion was commemorated on October 6, 2022, at Dr Ambedkar International Center (DAIC), Janpath, New Delhi. With the motto 'Gunnwatta se Atmanirbharta', the event commemorated the efforts made by QCI in its pursuit to delivering quality of services, products, and lives. **The inaugural session was chaired by Shri Piyush Goyal, Minister of Commerce & Industry, Consumer Affairs, Food & Public Distribution, and Textiles. Other dignitaries included Shri Amitabh Kant, India's Sherpa to the G20; Shri Anurag Jain,**

Secretary, Department for Promotion of Industry and Internal Trade (DPIIT); Shri Anil Agrawal, Additional Secretary, DPIIT; Shri Adil Zainulbhai, Chairperson, QCI and Capacity Building Commission; and Secretary General of QCI, Dr. Ravi P. Singh.

Speaking of the journey that QCI had set upon with the goal of enabling quality of life for India's billion-plus citizens, Shri Adil Zainulbhai extended his gratitude to guests, and commenced the session by stating that the event was a little to celebrate QCI's achievements, but a lot to do with what it should be doing in the next 25 years. Reiterating the Hon'ble Prime Minister's vision for India becoming a developed nation by 2047, he reinforced that QCI will have a crucial role to play in achieving it. Some of the key achievements of QCI include measuring the number of toilets built under the Swachh Bharat Mission, the quality of electricity delivered in villages, houses constructed under PM Awas Yojana, gas cylinders delivery under Ujjwala yojana, and the survey of Swachh Bharat for both urban and rural India. While recognizing the contribution made by the young minds in the growth of QCI in past eight years, Shri Zainulbhai stated that: "Young creative minds who have less to no experience, are the strength of QCI, and they can achieve the impossible because they don't know what is not possible."

Lauding QCI for growing exponentially in the last few years and developing a large bandwidth for activities across the sectors and streams, Hon'ble Minister Sh. Piyush Goyal said: "With all the festivals coming up, there is no better festival than celebrating India's quality, and it should become the DNA of every citizen." Reiterating the 5 Prans as stated by the Hon'ble Prime Minister of India Shri Narendra Modi during his Independence Day address, the Hon'ble Minister reemphasized that 'quality' will help us in achieving all of the commitments. Highlighting the importance of quality in building Brand India, Shri Piyush Goyal stated: "Quality is one thing that will define Brand India.

The moment you introduce quality parameters in the picture of products, services, and lives- it automatically becomes more reliable." The Minister also lauded QCI's contribution in changing the landscape of coal quality testing through accredited agencies in the country. On the same lines, he encouraged QCI to lead the charge for a nation-wide quality mission to transform quality of life of every Indian.

Sh. Amitabh Kant, India's Sherpa to G20 also threw light on India's marquee initiatives like Athithi Devo Bhava, ease of doing business, India Innovation Index, and the Rice Fortification Program that had quality at its core and transformed the lives of people living in the remotest corners of the country. Envisioning India as the 3rd largest economy by 2030, Sh. Kant stated that: "We'll become 3rd largest economy soon; we are ensuring that we have houses, electricity, cylinders, and focus on providing high-quality products and services gives rise to massive competitive advantage to us... Quality has to become a part of our bloodline. It is the only basis India can achieve growth by 2047".

Renowned musician Sukhwinder Singh composed a special anthem for the occasion celebrating the positive change brought into people's lives via multiple avenues. A Coffee Table Book and the 7th Edition of QCI DL Shah Quality Best Practices Book were also launched, highlighting India's progress towards development, improving the lives of billions of Indians and QCI's contribution towards the same goal.

Sh. Anurag Jain, Secretary, DPIIT, shared his views about India's journey of phenomenal growth towards quality and productivity, and QCI's significant role in it. Sh. Jain recognized QCI's contributions in setting up standard operating procedures which have helped in the transformation of processes of the Food Corporation of India (FCI), including live surveillance systems piloted by QCI for monitoring food grains through a tech-enabled approach that has helped bring in greater transparency in public service delivery. He also lauded QCI's initiative in helping DPIIT incubate the Open Network for Digital Commerce in a mission mode at QCI. The revolutionary initiative of ONDC has the potential to disrupt e-commerce like UPI did for the payments ecosystem in India. The project shall serve as a game-changer for small retailers.

The inaugural session ended with Dr. Ravi P Singh, Secretary General, QCI extending the gratitude of entire QCI to everyone who has been instrumental in the success of the organisation in the last 25 years and who have pledged to support QCI in its endeavours to make India a developed country by 2047 on the foundations of quality and agility.



WE CELEBRATE
**25 YEARS OF
 OUR GLORIOUS
 JOURNEY**

6TH OCTOBER, 2022

Dr Ambedkar International Centre,
 Janpath, New Delhi









**WORK HARD
PARTY
HARDER**

10TH OCTOBER, 2022

The Leela Ambience Convention
Hotel, New Delhi









25 GLORIOUS YEARS IN PURSUIT OF QUALITY

PRESS TRUST OF INDIA

Goyal asks industry to follow global quality standards



New Delhi, Oct 6 (PTI) Union Commerce Minister Piyush Goyal on Thursday asked the industry to ensure their products meet international quality standards and help build a 'Brand India' as the country aims to become a developed nation by 2047.

Business Standard

Goyal asks industry to follow quality standards to help build 'Brand India'

Goyal called upon Chartered Accountants of India to strive in making India's Chartered Accountancy firms global level companies



THE HINDU

Piyush Goyal asks industry to follow global quality standards



Piyush Goyal expressed satisfaction at the global footprint of ICAI with over 160 branches, present in 47 countries with 77 centres in different cities of the world

NDTV

Dr Dangs Lab Gets National Award For Lab Excellence From Quality Council Of India

Dr Navin Dang, Founder and Director of Dr Dangs Lab said that adherence to the highest of global standards, an unwavering commitment, and a team with a pinpoint focus on patient satisfaction were the main reasons that the lab has been able to reach the pinnacle of excellence.



प्रायनियर

विकास के लिए गुणवत्ता से समझौता नहीं: पीयूष

विकास के लिए गुणवत्ता से समझौता नहीं: पीयूष



विकास के लिए गुणवत्ता से समझौता नहीं: पीयूष

INDIA

Quality Council of India Completes 25 Years & they are set to lead the charge for a nationwide quality mission: Secretary General, Ravi Singh

Watch: youtu.be/4JRJGfayBE

@tapasjournalist @QualityCouncil @DPIITGol



ANI

Quality will define brand India in time to come, says Union Minister Piyush Goyal



Quality will define brand India in time to come, says Union Minister Piyush Goyal

ANI

Quality will define brand India in time to come, says Union Minister Piyush Goyal



Quality will define brand India in time to come, says Union Minister Piyush Goyal

NBT नवभारत टाइम्स

'ब्रांड इंडिया' बनाने के लिए गुणवत्ता पर देना होगा खास जोर: गौयल



'ब्रांड इंडिया' बनाने के लिए गुणवत्ता पर देना होगा खास जोर: गौयल

Devdiscourse

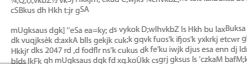
Goyal asks Q... to strive to align India with international quality standards



Goyal asks Q... to strive to align India with international quality standards

हिन्दुस्तान

'ब्रांड इंडिया' बनाने के लिए गुणवत्ता पर देना होगा खास जोर: गौयल



'ब्रांड इंडिया' बनाने के लिए गुणवत्ता पर देना होगा खास जोर: गौयल

The Daily Guardian

Quality will define brand India in the time to come: Piyush Goyal



Quality will define brand India in the time to come: Piyush Goyal

दिप्रिंट

'ब्रांड इंडिया' बनाने के लिए गुणवत्ता पर देना होगा खास जोर: गौयल



'ब्रांड इंडिया' बनाने के लिए गुणवत्ता पर देना होगा खास जोर: गौयल

THE WEEK

Piyush Goyal asks industry to follow global quality standards to build 'Brand India'



Piyush Goyal asks industry to follow global quality standards to build 'Brand India'

ANI

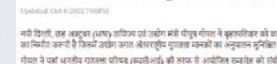
Quality will define brand India in the time to come: Piyush Goyal



Quality will define brand India in the time to come: Piyush Goyal

PRESS TRUST OF INDIA

'ब्रांड इंडिया' बनाने के लिए गुणवत्ता पर देना होगा खास जोर: गौयल



'ब्रांड इंडिया' बनाने के लिए गुणवत्ता पर देना होगा खास जोर: गौयल

ON TIME NEWS

Piyush Goyal asks industry to follow global quality standards to build 'Brand India'



Piyush Goyal asks industry to follow global quality standards to build 'Brand India'

भारतीय गुणवत्ता परिषद (क्यूसीआई) अपनी रजत जयंती मनाएगी; श्री पीयूष गौयल समारोह में मुख्य अतिथि होंगे

भारतीय गुणवत्ता परिषद (क्यूसीआई) अपनी रजत जयंती मनाएगी; श्री पीयूष गौयल समारोह में मुख्य अतिथि होंगे



भारतीय गुणवत्ता परिषद (क्यूसीआई) अपनी रजत जयंती मनाएगी; श्री पीयूष गौयल समारोह में मुख्य अतिथि होंगे

Adhere to High Quality Standards, Help Build Brand India: Goyal to Industry

New Delhi: Commerce and Industry Minister Piyush Goyal urged the industry to adhere to high quality standards and help build a 'Brand India' as the country aims to become a developed nation by 2047.



Adhere to High Quality Standards, Help Build Brand India: Goyal to Industry

ALWAYS FIRST

Dr Dangs Lab receives National Award for Lab Excellence from Quality Council of India



Dr Dangs Lab receives National Award for Lab Excellence from Quality Council of India

Vajiram & Ravi IAS Study Center

Quality Council of India (QCI)



Quality Council of India (QCI)

Quality Council of India (QCI)

Adhere to High Quality Standards, Help Build Brand India: Goyal to Industry

New Delhi: Commerce and Industry Minister Piyush Goyal urged the industry to adhere to high quality standards and help build a 'Brand India' as the country aims to become a developed nation by 2047.



Adhere to High Quality Standards, Help Build Brand India: Goyal to Industry

Adhere to High Quality Standards, Help Build Brand India: Goyal to Industry

Adhere to High Quality Standards, Help Build Brand India: Goyal to Industry

CELEBRATING 25th ANNIVERSARY QCI

MEDIA COVERAGE

National Accreditation Board for Testing and Calibration Laboratories

Strives to strengthen the accreditation system accepted across the globe by providing high quality, value driven services, fostering APAC/ILAC MRA, empanelling competent assessors, creating awareness among the stakeholders, initiating new programs supporting accreditation activities and pursuing organisational excellence.



nabl-india.org

5-Day Assessors' Training Program

27th September to 1st October, 2022



NABL conducted 5-Day Assessors' Training Program as per ISO 15189:2012 at Institute for Studies in Industrial Development (ISID), Delhi, from 27th September to 1st October 2022.

Awareness Program

18th October, 2022



NABL Awareness Program was conducted on 18th October 2022 during International Agriculture Fest, Chhattisgarh "Agri Carnival 2022" at Indira Gandhi Agricultural University, Raipur.



5-Day Assessors' Training

8th to 12th October, 2022



NABL conducted 5-Day Assessors' Training Course as per ISO/IEC 17025:2017 in Delhi from 08th to 12th October 2022.

4-Day "CONFORMITY ASSESSMENT OF PETROLEUM PRODUCTS -AUTOMATIVE DIESEL FUEL" jointly with Bharat Petroleum Corporation Limited (BPCL)

10th to 13th October, 2022



The 4-Day training program was conducted from 10th -13th October 2022 in physical mode at BPCL, Sewree, Mumbai.

Awareness Program

21st October, 2022



NABL and FSSAI jointly conducted third awareness program on 21st October 2022.

5-Day Assessors' Training Course

1st to 5th November, 2022 at Ajmer



Training program Training Program on "Microanalysis of Fortificants in Cereals and Salt" at Centre for Food Research and Analysis (CFRA), NIFTEM, Kundli, Haryana

9th to 11th November 2022



PTP Awareness Program for Proficiency Testing Providers (PTPs)

11th November, 2022

NABL conducted an awareness program for Proficiency Testing Providers (PTPs) on 11th November 2022 at Coimbatore.



Training Program on ISO Guide 35: 2017

17th November, 2022



NABL conducted training program on "Characterization & Assessment of Homogeneity and Stability of Reference Material as per ISO Guide 35: 2017" from 15th -17th November 2022, Mumbai.

NABL personnel attended UKAS PTB NABL Training Workshop on Photovoltaic Testing

17th November 2022

Qualmacon

18th November, 2022



NABL conducted Qualmacon in Mumbai on 18 November 2022 with the persons responsible for maintaining the management system, for laboratories located at Maharashtra region.

5-Day NABL Assessors' Training Program

28th November, 2022



5-Day NABL Assessor Training Course on ISO/IEC 17025: 2017 was conducted in Jamshedpur from 28th November to 2nd December, 2022. 20 participants attended the program.

Technical Training Program on "Microanalysis of Fortificants in Cereals and Salt" in NIFTEM

5th to 7th December, 2022



A 3-Day training Program on "Microanalysis of Fortificants in Cereals and Salt" was conducted from 5th to 7th December 2022 at Centre for Food Research and Analysis (CFRA), NIFTEM, Kundli, Haryana.

1-Day Awareness Program

19th December, 2022

1-Day Awareness Program on NABL Accreditation for Ayush Scientists of North East Zone. NABL conducted an awareness program on NABL Accreditation and its benefits on 19th December 2022 at National Institute of Homeopathy, Kolkata. Around 38 AYUSH scientists attended this program.

NABL Awareness Program for Reference Material Producers (RMP)

23rd December, 2022

NABL conducted an awareness program for Reference Material Producers (RMPs) on 23rd December 2022 at Pune. 30 participants attended the program.

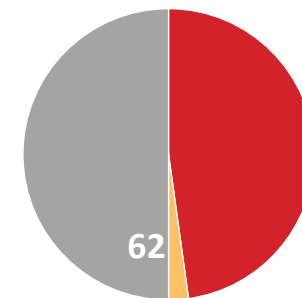


Virtual Assessments Conducted

NABH team has initiated remote and hybrid assessments of HCOs using virtual platforms. To start with, virtual assessments of HCOs were conducted on pilot basis and the outcome was found to be favourable. It is expected that this will reduce the pendency in accreditation or certification cycle tremendously.

A total nos. of assessments 1352 conducted for Accreditation, Certification and Empanelment from October to December 2022.

S.No.	Program	Assessment Conducted
1.	Assessment for Accreditation/ Certification / Empanelment Program	1352
2.	Desktop Surveillance Assessments for Accreditation Programs	62
Total		1414



Assessment Conducted from October to December 2022

● Assessment for Accreditation/ Certification / Empanelment Program
 ● Desktop Surveillance Assessments for Accreditation Programs
 ● Total

Strives to operate accreditation and allied programs in collaboration with stakeholders focusing on patient safety and quality of healthcare based upon national/international standards, through process of self and external evaluation.

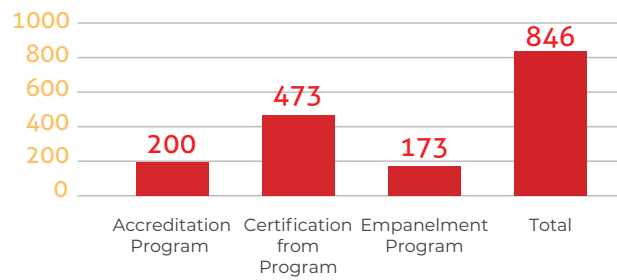


National Accreditation Board for Hospitals and Healthcare Providers

Accreditation/Certification/Recommendations for Empanelment Granted

S.No.	Program	Accreditation/Certification Granted
1.	Accreditation Program	200
2.	Certification Program	473
3.	Empanelment Program	173
Total		846

Accreditation, Certification & Empanelment Status from October to December 2022



Quality Connect-Learning with NABH

NABH announced the enriched continuation of "NABH Quality Connect-Learning with NABH" initiative under which free monthly training classes, webinars and seminars will be conducted. The training topics will cover all aspects of patient safety, including: Key Performance Indicators, Hospital Infection Control, Management of Medication, Document Control etc.



NABH Training Programs on Implementation (PoI) & Educational Workshops on Virtual Platform:

- Programs on implementation (PoI) are conducted on NABH Accreditation Standards of Hospitals, AYUSH, Blood Banks and Nursing Excellence, Entry-Level Hospitals & SHCO Certification Standards, Clinical Audit Workshops and Continual Quality: Tools and Techniques Workshops.
- The objective of PoI is to provide guidance to healthcare provider on implementation of NABH standards. These programs are instrumental in developing internal Capability within the hospitals to work towards implementation of quality and

NABH, since its inception in 2005, has been at the forefront of creating and sustaining an ecosystem of healthcare quality. Training and capacity building in the realms of patient safety, healthcare quality and accreditation is one of the core activities of NABH. The purpose of these trainings & workshops is to upgrade the knowledge and skills of healthcare personnel, so that they can implement quality principles at their work place. Over the past 15 years NABH has successfully conducted hundreds of training on various subjects and thousands of quality professionals have benefited. The recent COVID pandemic has given an opportunity to NABH to reach out and connect to many more quality professionals via the virtual platforms at a very nominal cost. All these Virtual Courses have been updated and enhanced with latest course material and content. All participants will also receive a NABH official certificate. Do avail this opportunity

Education / Interactive Workshops (Duration of Course: 4 Hours)

- Clinical Audit
- Continual Quality Improvement : Tools & Techniques
- Documentation Requirement for Patient Safety and Quality Improvement
- Good Clinical Practice (GCP)
- New Drugs & Clinical Trials (NDCT)

Program on Implementation (PoI) (Duration of Course 12 to 15 Hours)

- Hospital Accreditation Standard 5th Edition
- AYUSH Accreditation Standards
- AYUSH Entry Level Certification Standards
- Medical Imaging Services Accreditation Standard 2nd Edition
- Blood Bank Accreditation Standard 3rd Edition
- Nursing Excellence Certification Standard 1st Edition

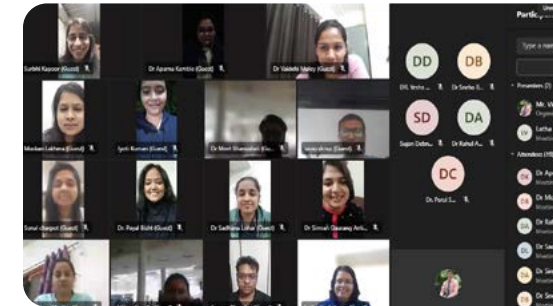
The objective of these courses is to provide guidance to healthcare providers on implementation of NABH standards. These programs are useful to develop internal capability for working towards implementation of quality and patient safety standards, achieving accreditation and maintaining the same. The sessions during these programs are taken by Master Trainers, subject experts and Senior Assessors of NABH. Participants get an opportunity to clarify their doubts through interaction with experienced faculty.

Registration Link:
<https://www.nabh.co/EducationTraining.asp>

Contact Us: **MR. VIKASH CHAUDHARY**
vikash@nabh.co | 011-42600622, 09873380280

patient safety standards, achieving accreditation and maintaining the same.

- During the period from October to December 2022, 26 educational workshops were conducted on virtual mode wherein more than 900 healthcare professionals participated.



NABH Program on Implementation (PoI) on 5th Edition Hospital Standards from 20-22 Oct 2022

BACK TO ROOTS

SPECIAL NABH POI COURSE FOR UNIVERSITY/ COLLEGE STUDENTS

Program on Implementation (POI) of NABH 5th Edition Accreditation Standards for Hospitals

"We are pleased to inform that NABH is initiating a series of 3 days training workshop "Programme on Implementation of NABH 5th Edition Accreditation Standards for Hospitals" specially for University / College Students"

The program will be specifically conducted only for closed group of Colleges / Universities offering Bachelors / Masters in Healthcare / Hospital Management. The students pursuing these courses shall be the intended participants for this program

Objective of the Programme

The objective of this programme is to train the young professionals on healthcare quality and implementation of NABH standards in healthcare organisation. The aim of the programme is to sensitise these bright students to the world of quality in healthcare and help them to work towards implementation of best patient safety practices, achieving accreditation and maintaining the same.

Course material and certificate for participants

Each training participant will receive a specially curated students course kit including the 5th Edition Standard Guidebook (worth Rs. 6000), official NABH merchandise, learning and reference material. The training will be a combination of theory, demo and panel discussions and will involve active participation.

Upon successful completion of workshop, candidates will be provided with a verifiable certificate of participation. For more details of the program, please connect to Mr. Vikash Chaudhary, Administrative Officer - NABH
Phone: 011-42600622, 9873380280 | E-mail: vikash@nabh.co

National Health Authority (NHA) signed an MoU with National Accreditation Board for Hospitals & Healthcare (NABH) on 6th October 2022 to establish collaboration in the area of capacity building, dissemination of information, promotion of NABH Accreditation & ABDM Standards, technical support, stakeholder advocacy & public awareness under government initiative for ABDM.



NABH-QCI and World Stroke Organization (WSO) signed an MoU on 1st

November 2022 to come up with specific standards for the certification and strengthening of the patient safety and quality of care in the Stroke Care Centres of the country. NABH will work closely with WSO and the experts from India to set standards for stroke center certification.



NABH-QCI had a renewal of MoU with ECHS on 6th December 2022

for empanelment of Healthcare Organizations for serving of our armed forces personnel and beneficiaries. An increase in joint efforts for empanelment in underserved areas has also been agreed upon.



QCI's Silver Jubilee Celebration

NABH organized and participated in QCI'S Silver Jubilee celebration on 6th October, 2022. Chairman NABH moderated the 3rd session of the conference on the theme "Heal in India- Heal by India: Standardization & Global Benchmarking" which included renowned experts from the healthcare industry such as Dr. Ram Sevak Sharma, Dr. Narottam Puri, Dr. Randeep Guleria and Dr. Girdhar Gyani.



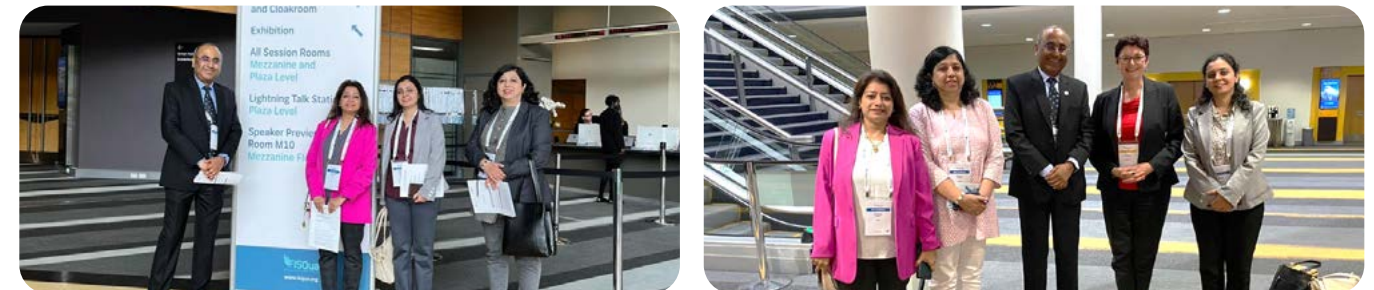
FICCI Heal Conference 2022

NABH participated in FICCI Heal 2022 Conference on the theme "Healthcare Transformation. Driving India's Economic Growth" from 10th to 12th October, 2022. On the third day of the conference, Dr. Atul Mohan Kochhar, CEO-NABH moderated the QCI powered session with renowned experts on "Cost Quality Conundrum".



ISQua Conference 2022

NABH participated in the ISQua Conference 2022 at Brisbane from 17th to 20th October 2022 on the theme "Designing for the Future – Community, Resilience and Sustainability".



World Conference of Ayurveda 2022

NABH participated in the 9th World Ayurveda Conference and Aarogya Expo held at Goa from 8th to 11th December, 2022. NABH had a space for a stall in the expo and more than 400 participants got updates from the stall.



Chairman QCI Shri. Jaxay Shah, visited NABH office on 1st December 2022

He had a short discussion with NABH secretariat members wherein he enlightened that NABH should further work with a passion to reach the grass-root level with quality healthcare services.



NABH Quality Connect Newsletter

WHO had proposed the theme for World Patient Safety Day, 2022 as "Medication Without Harm". In order to promote, NABH Quality Connect Newsletter issue 04 was released on 6th October, 2022. The newsletter has forewords, columns and articles from Shri Piyush Goyal, Hon'ble Minister of Commerce and Industry and other leading experts from healthcare industry. After a successful launch and positive feedbacks, NABH is now working on Issue 05 on the theme "Integrative medicine".



Dr. Atul Mohan Kochhar, CEO-NABH delivered a session on Evolving Healthcare Ecosystem Focusing on Quality and Affordability at Healthcare Summit and Awards organised by ASSOCHAM on 12th October 2022.

Other Activities

- Launch of revised NABH standards and guidebooks for all the programs- MIS, SHCO, Entry-level Certification Standards, Blood Centers, Allopathic Clinics, Nursing Excellence, Dental Healthcare Service Providers, MLP
- Initiating work on Physiotherapy / Homecare / Dermatology & Aesthetics Standards
- Initiating formulation of NABH excellence standards for various specialties of Modern Medicine
- Launch of new portal for Hospitals
- Addition of new areas for trainings and workshops under Quality Connect Initiative of NABH
- Conducting Gap analysis for three Government hospitals associated with Medical colleges in Delhi under DGHS, MoHFW
- Granting accreditation according to revised timelines thereby decreasing the turnaround time for applications
- Strengthening NABH-International program
- Publishing NABH Text book of patient safety & quality etc.



NABH was an associate partner during the FICCI Heal Conference 2022 which was conducted from 10th to 12th October, 2022

Dr. Atul Mohan Kochhar CEO-NABH delivered a session on Evolving Healthcare Ecosystem Focusing on Quality and Affordability at Healthcare Summit and Awards organised by ASSOCHAM on 12th October 2022



NABH secretariat members pledged to work together to eradicate corruption on the occasion of Unity Day with the theme of "Run for Unity" on 31st October 2022



Dr. Atul Mohan Kochhar, CEO-NABH moderated a session on Cost Quality Conundrum in a conference organised by FICCI Heal, on Healthcare Transformation: Driving India's Economic Growth on 12th October 2022



NABH is an associate partner during the SEPC FICCI Sanjeevani: Heal in India Expo which was conducted from 3rd to 5th November, 2022 at Greater Noida



Dr. Atul Mohan Kochhar, CEO-NABH addressing the National Stroke Summit 2022 organized by FICCI on 1st November 2022

Formal Education Excellence Division (FEED)

The details of various activities and projects conducted by FEED-NABET are given below:

Assessment & Evaluation Projects:

Social Welfare Department Assam Baseline Survey of Street Children

The work order was issued by Department of Social Welfare Assam on 29th April 2022. The aim of the study is to: **a)** Map the size of street children in the state of Assam and identify the areas of concentration/hotspots/vulnerable pockets. **b)** Assess the overall situation of street children in the state of Assam, their activities, needs, priorities and also to capture the gender and age disaggregated data of street children. **c)** Understand their problems owing to street presence, the magnitude and patterns of abuse (such as drug substances and sexual), violence & exploitation, labour among street children and their health, and educational status. Till now, 24 out of 35 districts have been covered under the baseline survey.

Impact of COVID-19 on Children with Special focus on Girls & CWSN

The objective is to identify the problems faced by children during COVID-19 related to education, mental health & overall well-being. The assessment of 500 schools across 5 states have been completed. The anticipated impact of the project is to facilitate NCPCR for creation of a roadmap to address the issues faced by children during COVID-19 on the basis of outcome of the study.

Strives to provide services to its customers in accordance with the national and international standard norms & guidelines and is committed to provide fair and equal opportunity to all the applicants with highest regard to impartiality, transparency, integrity and confidentiality.



National Accreditation Board for Education and Training

nabet.qci.org.in



Glimpse of interaction with school stakeholders during project execution

Rating of Nursing & Paramedical Colleges of Uttar Pradesh (UP)

On October 7, 2022, a work order was issued to QCI to conduct rating of 700 Nursing & Paramedical Institutes in the State of Uttar Pradesh. The objective is to conduct assessment of 700 degree & diploma colleges on the predefined framework provided by the State Medical Faculty, UP. Till now, NABET has completed planning of assessments; initiated mobilisation of technical & non-technical assessors and quality check professionals are in process of reviewing desktop assessments.



Desktop Assessment team for UP Nursing Project

Outreach Activities

3rd Regional School Quality Conclave, Mumbai: FEED-NABET conducted 3rd Regional School Quality Conclave in partnership with Education Promotion Society for India (EPSI) on November 21, 2022 in Mumbai. The theme of the conclave was "Quality Assurance & Accreditation in School Education."

The conclave was divided into Inaugural session, 2 Plenary Sessions followed by Valedictory Session. The inaugural session was graced by His Excellency, Shri. Bhagat Singh

Koshyari ji, Hon'ble Governor of Maharashtra. The plenary sessions highlighted the deliberations on following topics: Session I: Driving Education- Quality Assurance, Sustainability, Expansion & Excellence; and Session II: Vision for Future Fit Education; The Valedictory Session was graced by Shri. Deepak Vasant Kesarkar, Hon'ble Minister of School Education, Govt. of Maharashtra (virtually).



In the **inaugural session**, **Shri. P R Mehta, Chairperson, NABET** apprised about various activities undertaken by NABET. He also enlisted the future roadmap for the organization in alignment with National Education Policy. **Dr. R.P. Singh, Secretary General, QCI** highlighted that "Accreditation will play a key role in equipping teachers with better tools to create vibrant classrooms with student-centric experiential learning approach." He also stressed on the importance of Accreditation to make India Vishwa Guru again. **His Excellency Shri Bhagat Singh Koshyari, Hon'ble Governor of Maharashtra** stated that "There are only 7000 schools accredited out of 15 lakh+ schools in India."



Inaugural Session with Hon'ble Governor of Maharashtra

He further urged schools to get themselves accredited on the lines of higher education institutions, which he said, will bring quality consciousness among schools. He also highlighted that world class education is being offered in private schools and therefore, they could adopt government schools to provide quality education to the poor.

Plenary Session I on Driving Education- Quality Assurance, sustainability, expansion & excellence was Chaired by Shri. P R Mehta, Chairperson, NABET and Speakers in the session were: Dr Snehal Pinto, Director, Ryan International Group of Schools; Mr. Farhad Merchant, CEO, Aga Khan Services; Dr. Swati Papat Vats, President, Early Childhood Association; Mr. Rakesh Joshi, Director, Apeejay Society and Ms. Astha Kataria, Managing Trustee, Ashoka Universal Group. The deliberations in the session highlighted that the focus must be on expanding education so that we reach all learners at all levels and ensuring experience of education is as excellent as it can be, are critical drivers as we work to develop and improve education. Further, technology can be used to aid learning, to reach more students, to build on face-to-face learning and to offer opportunities to exercise creativity. It was further elaborated that excellence can be built through professionalism of our teachers, ensuring that learning is tailored to match the needs & capabilities of learners and developing everyone's learning skills.



Plenary Session I: Chair & Speakers

Plenary Session II on Vision for Future Fit Education was chaired by Dr. Srinivasan R Iyengar, Director, Jamnalal Bajaj Institute of Management Studies, University of Mumbai and the speakers in the session were: Mr. Raghav Podar, Chairman, Podar Group of Schools; Mr Sudhir Kukreja, Co-Founder & CEO, Credence International School; Dr. Abha Meghe, Director Academics, School of Scholars Group; Ms. Anne Dias, Director of Special Projects, Quality assurance & CPD, Vibgyor Group and Mr. Francis Joseph, Educationist, School Academic & Operations Expert, Crimson Education. The deliberations held in the session highlighted that teachers training, experiential learning, digitisation, technology usage, interaction with stakeholders, student centric classrooms, etc. are of utmost importance. The objective is to ensure collaboration & bringing best learning experience for learners.



Plenary Session II: Chair & Speakers



Ms. Madhu Ahluwalia Presenting Quality initiatives of NABET

Presentation on Quality Initiatives of NABET-QCI in School Education Domain:

Ms. Madhu Ahluwalia, Senior Advisor, QCI briefed all the dignitaries and participants on quality initiatives undertaken by NABET-QCI in the field of education. Following aspects were detailed out in the presentation, namely; Scope of work of NABET-QCI in education domain; Projects undertaken so far by QCI; Recent initiatives of NABET in school education; modules/ workshops in alignment with NEP-2020 for teachers & school stakeholders; Quality Improvement frameworks offered by NABET such as School Accreditation framework. Further, she invited Principal of CNM School, Vile Parle, Mumbai, for demonstrating the benefits that the school could reap through effective implementation of NABET Accreditation Standard in their schools.



Ms. Kavita Sanghvi Presenting benefits of Accreditation

Ms. Kavita Sanghvi, Principal, Chatrabhuj Narsee Memorial School, Vile Parle, Mumbai, mentioned that their school got accreditation in the year 2020. She highlighted the benefits reaped by their school through implementation of NABET Accreditation framework: Helped in self-assessment; Sustainable interventions; action research; systemic processes; documentation; use of data for planning; tangible impact, etc.



Shri. Deepak Vasant Kesarkar

Minister of Education (Virtual presence)

In the valedictory session, Shri. Deepak Vasant Kesarkar, Hon'ble Education Minister of Maharashtra appreciated the phenomenal work done by QCI-NABET to assure quality in education sector. He emphasised on the need for technology, teachers training on experiential learning, quality assurance mechanism, etc. He also mentioned that "Accreditation shall be an enabler for improving Quality of Education in the country".

In the program, around 150+ participants approximately attended the event wherein majority of the individuals were from the state of Maharashtra. The conclave deliberations were part of media both print & online highlighting on need & importance of accreditation in schools.

Media Coverage

Collage of media coverage including news articles from The Indian Express, Raj Bhavan Maharashtra, and NDTV, along with a 'Media Coverage' graphic.

01 Post Conclave

Times of India (ToI) group was keen to know more about NABET accreditation, its process & quality interventions of NABET-QCI in school education domain. Hence, Shri. P.R. Mehta, Chairman-QCI and Ms. Madhu Ahluwalia, Senior Advisor, QCI gave exclusive interview to ToI. The same is detailed in article published on December 19, 2022.

02 Principals Conclave, Nainital dated 18th October, 2022

NABET-QCI participated in Principals Conclave held in Nainital wherein 30+ schools participated from all across the country. In the program, a presentation on "Quality Initiatives of NABET-QCI in Education Domain" was presented amongst the august audience and their doubts were clarified to help them understand nuances of NABET School Accreditation.

03 Education Leadership Summit, Delhi dated 23rd November, 2022

NABET-QCI participated in the program organised by Economic Times to felicitate leaders in the domain of School & Higher Education. Parallel sessions for Schools & Higher Education were aligned wherein 150+ school stakeholders were present. NABET-QCI team attended the program to interact with school stakeholders and sensitize them about NABET Accreditation.

Evaluation and accreditation of schools are crucial for upgradation

NABET evaluates and ranks schools based on their teaching learning process and their outcome. Accreditation of schools is a process of recognizing an institution as having a particular status or being qualified for performing a particular status. In India, there is a lack of awareness about accreditation for schools as there is no mandate from the government on regular school evaluations. National Accreditation Board for Education and Training (NABET), which is the constituent Board of the Quality Council of India (QCI) is offering an accreditation programme for Quality School Governance with an aim to provide a framework for the effective management and delivery of the holistic education programme for the development of students. However, a recent survey revealed that only 0.5% of schools are accredited in the country. Of the 15lakh schools in India, only 7,000 have undergone the evaluation process to check their standards. PR Mehta, chairperson NABET, while talking to Education Times said the limited number of accreditation is mainly because of low awareness among schools about relevance of accreditation. "In recent years a paradigm shift has been observed from imparting quality to quality education to the students. We are making attempts to create awareness for schools to get accredited. We have been holding various online and offline workshops," says Mehta. "According to NEP2020, accreditation of schools is a voluntary process that the schools must take up under its self-checklist to measure the standard of schools. If schools can fulfil three points from here, they are considered accredited. The standards have been prepared based on global practices and benchmarks which are customised as per the local requirement. Based on the evaluation, schools are placed under different levels and follow a quality journey to upgrade them. "Our assessment puts the schools under a quantifiable number. The schools are then given an action plan which will help them to escalate and improve their standards and numbers. For example, we ask schools to upgrade their learning process by documenting the teaching classes of the best teachers to teach future students as well," explains Ahluwalia. "Benefit for students" "Students and parents will make an informed decision and select schools based on the parameters set for evaluation. Besides infrastructure, the teaching-learning process, teaching methods and learning outcomes are vital in our validation process. It will help parents and students to short-list schools that rank ahead on the list. Besides, it encourages schools to upgrade by raising their standards," says Mehta.

NICMAR HYDERABAD ADMISSIONS OPEN 2023 INVITES APPLICATIONS FOR Two Year Full Time Post Graduate Programmes in (i) Advanced Construction Management (ACM) (ii) Engineering Project Management (EPM) (iii) Sustainable Energy Management (SEM) (iv) Logistics and Supply Chain Management (LSCM) One Year Full Time Post Graduate Programmes in (i) Quantity Surveying and Contract Management (QSCM) (ii) Health, Safety and Environment Management (HSEH) www.nicmar.ac.in/hyderabad



Ms. Geetika Sharma, Accreditation Officer addressed Principals/ school stakeholders about NABET Accreditation

Awareness Workshops

Monitoring & Tracking of Learning Outcomes

NABET has designed training programs to provide opportunities to school staff for the development of skills to facilitate, create and manage a learner-based environment. The training program aims to achieve following learning outcomes:

- Develop and enhance facilitation and learning practices
- Prepare to facilitate learning sessions, reflect and improve on practices through appropriate evaluation
- Facilitate learning sessions using appropriate methods, learning enabling techniques and use of ICT

The program was designed for:

Principals, Teachers, Examination Co-ordinators, Educationists / Curriculum Developers and Education Consultants.

Speakers:

- Dr Bhaskar Chaudhary, Trainer
- Dr Mamta Aswal, Trainer
- Dr. Gaurang Tiwari (Assistant Director, NABET)



Offline workshop in Chennai, Tamil Nadu

Awareness workshops on Accreditation Standard for Quality School Governance

FEED-NABET conducted awareness workshops on Accreditation Standard for Quality School Governance to spread awareness about the Standards.



Offline Workshop held in Thiruvannamalai, Tamil Nadu



Offline workshop in Bengaluru, Karnataka

The program was designed for:

Management Committee Members, Education System Co-ordinators, Teachers / School Administrators (core team members), Principals, Educationists / Curriculum Developers and Education Consultants who wish to implement Accreditation Standards for Quality School Governance in the schools.

Following were the takeaways of the programme:

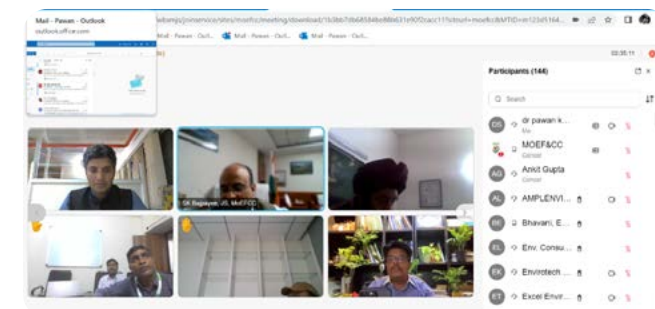
- Understanding the requirements of accreditation standard
- Implementation of the requirements of accreditation standard
- Understanding best practices: Benchmarking and innovation
- Facilitation to prepare a Roadmap for accreditation

Speakers:

- Dr. Senthil D. Kumar
- Ms. Satwant Palekar

Environment Division

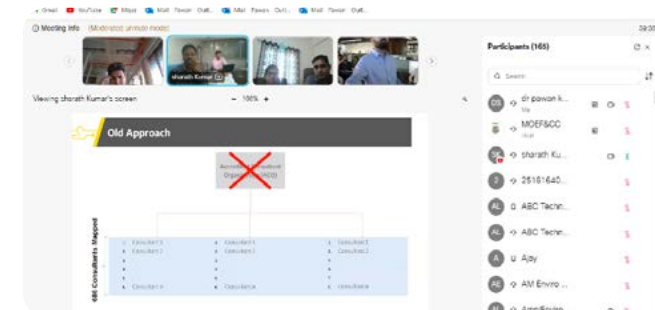
Meeting with Accredited Consultant Organizations on their views or issues/problem on Single Window Portal (PARIVESH-CPC Green), November 1, 2022



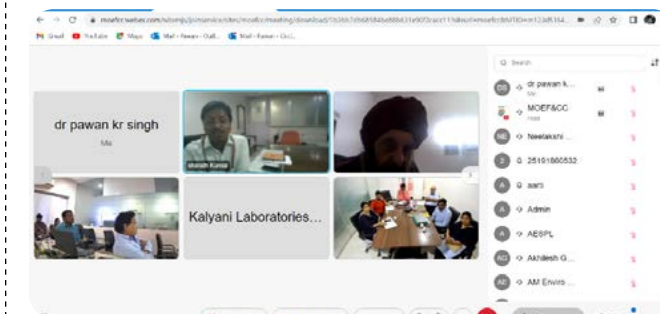
A virtual meeting was held with Accredited EIA Consultant Organizations on November 1, 2022 for addressing their issues/problem in the registration/submission of applications for clearance on Single Window Portal (PARIVESH-CPC Green). The meeting was chaired by Dr. S.K. Bajpayee, Joint Secretary, MoEF&CC.

Training of Accredited Consultant Organizations on Single Window Portal (PARIVESH-CPC Green), November 3, 2022

A virtual training was conducted for Accredited EIA Consultant Organizations on November 3, 2022 related to registration process, grievance redressal module and others on Single Window Portal (PARIVESH-CPC Green). The meeting was chaired by Sh. Sharath Pallerla, Scientist- 'F', MoEF&CC.

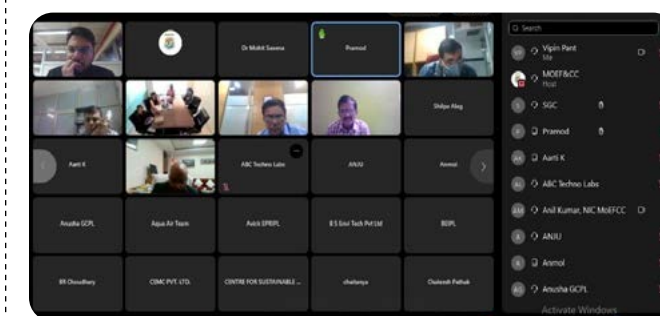


Training of Accredited Consultant Organizations on Single Window Portal (PARIVESH-CPC Green), November 9, 2022



A virtual training was conducted for Accredited EIA Consultant Organizations on November 9, 2022 related to registration process, grievance redressal module and others on Single Window Portal (PARIVESH-CPC Green). The meeting was chaired by Sh. Sharath Pallerla, Scientist- 'F', MoEF&CC.

Meeting with Accredited Consultant Organizations on their views or issues/problem on Single Window Portal (PARIVESH-CPC Green), December 23, 2022



A virtual meeting was held with Accredited EIA Consultant Organizations on December 23, 2022 for addressing their issues/problem in the registration/submission of applications for clearance on Single Window Portal (PARIVESH-CPC Green). The meeting was chaired by Dr. S.K. Bajpayee, Joint Secretary, MoEF&CC.

n a b c b . q c i . o r g . i n

QCI Celebrates its Silver Jubilee 6th October, 2022

QCI Celebrated its Silver Jubilee event in the year 2022. The event was graced by several eminent dignitaries including Sh. Piyush Goyal, Hon'ble Minister of Commerce & Industry, Textiles and Consumer Affairs, Food and Public Distribution; Sh. Amitabh Kant, Sherpa to G20 & Former CEO, NITI Aayog; Sh. Anurag Jain, Secretary, DPIIT and Sh. Anil Agrawal, Additional Secretary, DPIIT.

The event comprised of panel discussions on the quality ecosystem being an enabler for 'Make in India', achieving India's growth vision for 2047 through speed, scale, digitalization & quality, and discussion on the 'Heal in India-Heal by India' initiative.

To celebrate the journey of quality and excellence that India stands for, QCI has launched a marquee campaign—Gurvatta Se Atmanirbharta: India's quality movement. The campaign aims to celebrate India's quality hubs, create awareness about India's landmark achievements and inform people about the many initiatives that India is embracing with an aim to enhance the quality of lives of all our citizens.

NABCB had invited Mr. Emanuele Riva, Chair IAF and Mr. Matt Gantley, CEO, UKAS as a speaker for the technical session 1- "Quality Ecosystem: an enabler for Make in India". The speakers shared their views on Accreditation and highlighted the importance of accreditation to create a Quality Ecosystem in the country.



Strives to be equally accessible to all the certification body applicants who wish to be accredited to the criteria of the Board within its scope and capability, within the geographical limitations decided by the Board. Upgrades criteria of

international improvements and fosters improvement in the quality of certification process with the support of certification bodies.



National Accreditation Board for Certification Bodies



NABCB Launches new Accreditation Scheme for Facility Management System in accordance with ISO 41001: 2018

NABCB Launched Accreditation Scheme for Certification Bodies certifying organizations for Facility Management System in accordance with ISO 41001: 2018.

With the launch of Facility Management System, NABCB has become one of the few accreditation bodies globally for granting accreditation to Certification Bodies certifying organizations providing Facility Management Certification as per ISO 41001: 2018. This Standard provides a robust framework to develop, implement and maintain effective facilities

management globally, in a variety of industries. This standard is not sector specific and it is applicable to all the organizations or parts of organizations whether public or private sector, regardless of the type, size, and nature of the organization or geographical location.

NABCB intends to serve the industry, relevant stakeholders, and country with the launch of the Facility Management System. This has further aligned with the QCI & NABCB vision and mission to improve the quality of life for common citizens of India and make India self-reliant.



NABCB Launches New Accreditation Scheme



NABCB Launches Accreditation Scheme for Certification Bodies certifying organizations for Facility Management System in accordance with ISO 41001: 2018.



NABCB presentation at the 6th Annual Medical Device Regulatory & Quality Summit 2022

12th - 13th October, 2022

Ms. Varsha Mishra, Deputy Director, NABCB gave presentation on NABCB Accreditation: Supporting Quality of Medical Devices & Regulatory Compliance in the 6th Annual Medical Device Regulatory & Quality Summit 2022, New Delhi.

The program had participation from regulatory, quality professionals, and entrepreneurs in medical devices. Information on NABCB Accreditation and the use of accredited Certification Bodies for Certification to Medical Devices Quality Management System (MDQMS) in accordance with ISO 13485: 2016 were explained. Information was provided to various queries w.r.t NABCB Accreditation, Quality, and Regulators' recognition of accreditation.



NABCB presentation at CII National Exports Summit 2022

20th October, 2022

Mr. Rajesh Maheshwari, CEO, NABCB gave presentation on "Accreditation: Facilitating International Trade" and the role being played by NABCB Accredited Certification Bodies, Inspection Bodies in promoting AtmaNirbhar Bharat and increasing the country's export potential, reducing Technical Barriers to Trade (TBT) in the CII National Exports Summit 2022. The summit was a flagship initiative of the

Confederation of Indian Industry (CII). The summit broadly revolved around the measures needed to strengthen domestic capabilities across multiple parameters, and sectors for increasing the export potential of the country.

Mr. Piyush Goyal, Hon'ble Minister of Commerce and Industry, Textiles, Consumer Affairs, Food, and Public Distribution graced the occasion as the chief guest.



NABCB Conducts Assessors' Conclave

7th - 8th November, 2022

NABCB organized an annual conclave for its Assessors' after 2019, in hybrid a mode from 7 - 8 Nov 2022 as for the last 2 years it was held only virtually due to the Covid-19 pandemic. On the first day, which was specific to Assessors' for certification bodies, deliberations were held on new accreditation schemes launched by NABCB such as Facility Management Systems, new/ revised ISO standards such as for FSMS, ISMS, etc., New International Scheme requirements such as R2 standard of SERI, IAF mandatory documents and many other relevant topics/issues.

Mr. Rajesh Maheshwari, CEO, NABCB inaugurated the conclave with a welcome address and provided updates on NABCB, APAC, IAF & ILAC. He appreciated all the assessors for providing their strong support & services to NABCB.

Other deliberations included discussion on document review, key non-conformities, assessment reports, code of ethics, and assessment experience sharing for harmonization of assessors.

The second day of the Conclave was held to harmonize NABCB Assessors for Inspection and Validation/Verification Bodies. Updates on Govt., Regulators, Industry & other bodies prescribing NABCB Accredited Inspection bodies were provided to assessors.

The deliberations included updates from the ILAC Inspection Committee, the requirements in ILAC P15, and other issues related to the assessment of Inspection Bodies.

A session was also held on key requirements in ISO/IEC 17029, ISO 14065, and scope sectors for validation/verification activities.



Assessors' Training Course on ISO/IEC 17020:2012, ISO/IEC 17065:2012 & ISO/IEC 17021-1:2015

In order to increase the NABCB Assessor pool and to train the existing assessor, NABCB conducted 3-day of Assessor training course on ISO/IEC 17020:2012 from 10 - 12 Nov 2022; ISO/IEC 17065:2012 from 23 - 25 Nov 2022 & ISO/IEC 17021-1:2015 from 05 - 07 Dec 2022. Faculty for the respective trainings were experienced NABCB Assessors', Ms. Rajalakshmi Subramaniam & Mr. Harmohinder Singh Gandhi for ISO/IEC 17020:2012; Ms. Shobha Hegde & Mr. Anupam Gupta for ISO/IEC 17065:2012 and Dr. S Ravi Shankar & Mr. Anupam Gupta for ISO/IEC 17021-1:2015.

The trainings were planned to be interactive in addition to the defined training on the understanding of the requirements of Standards, relevant IAF Documents, NABCB Accreditation criteria & procedure. Faculties shared their experiences, case studies with participants to develop the thought process of being an Assessor. The trainings included evaluation of the participants.



ISO/IEC 17020 Assessors' Training Program, 10-12 November 2022



ISO/IEC 17065 Assessors' Training Program, 23-25 November 2022



ISO/IEC 17021-1 Assessors' Training Program, 5-7 December 2022

NABCB Co-organizes 7th National Standards Conclave

19th - 20th December, 2022

QCI-NABCB co-organized the 7th National Standards Conclave 2022 with the Department of Commerce & CII.

On the first day of the Conclave, Mr. Deep Kapuria, Chairman, NABCB; Mr. Anil Agrawal, Additional Secretary, DPIIT; Mr. Rajesh Aggarwal, Additional Secretary, Department of Commerce and Dr. M Balaji, Joint Secretary, Department of Commerce addressed the Inaugural session.

Mr. Deep Kapuria highlighted the need to create 'Brand India' and ensure that standards pave the way to Non-Tariff Measures (NTMs) and liberalized trade. Dr. Ravi P Singh, Secretary General, QCI, while addressing the conclave set 7 quality priorities for a strong Brand India 2047. He also highlighted that India needs to lead in standards development, third-party assessment, market surveillance & the need to encourage the industries to adopt quality.

Mr. Rajesh Maheshwari, CEO, NABCB chaired the first session on the topic "Industry Challenges Meeting Conformity Assessment for Exports" on the second day of the 7th National Standards Conclave. The session focused on putting forward the Indian Industry's perspective on issues faced in compliance with export-related regulations, to evaluate the impact of standards and technical regulations compliance in determining export competitiveness in the global market. The speakers for the session were from TIC Council, ACBI, UL India Pvt. Ltd., Director, NPL and Siemens Ltd.

Other sessions included discussions on the topics "Standards-Related Issues in FTA" & "Challenges with Services Standards". The speakers for the second day included Mr. Darpan Jain, Joint Secretary, Department of Commerce; Ms. Jyoti Yadav, Deputy Secretary from the Department of Commerce; Mr. Rajeev Kher, Former Secretary, Department of Commerce and speakers from esteemed organizations such as TCS, Catex Health etc.

The event concluded with the remarks and the presentation on the recommendations coming out from the 2-Day conclave by Ms. Jyoti Yadav, Deputy Secretary, Department of Commerce and the special address by Mr. Peeyush Kumar, Additional Secretary, Department of Commerce.



NABCB International News

NABCB meeting with UKAS

4th October, 2022

Mr. Matt Gantley, CEO, UKAS met with NABCB officials and appreciated the work done by NABCB. Mr. Matt appreciated and honoured the invite from QCI to be a part of QCI's 25 years celebrations. The meeting was graced by Dr. Ravi P Singh, Secretary General, QCI and Mr. Rajesh Maheshwari, CEO, NABCB. Officers from NABCB Secretariat also attended the meeting.

The discussion focused on possible area for Co-operation & Collaboration between both Accreditation Bodies in

respective countries and strengthening the relations between NABCB and UKAS. The discussion also focused on how UKAS is helping regulators and Government in U.K. and how Govt. & Regulators gets benefited from a sole Accreditation Body. Mr. Matt focused on uplifting accreditation activities between both ABs with the fact that NABCB and UKAS have a good history of relations. This meeting further strengthened the relations of NABCB with UKAS.



NABCB participates in the concluding meeting of SEGA organized by the SAARC Secretariat in partnership with PTB Germany

11th - 12th October, 2022

SAARC Secretariat in partnership with PTB Germany hosted the Concluding Workshop at Kathmandu from 11-12 October 2022. This workshop culminated almost 2 decades of funding support provided by PTB to the SAARC region in developing its Quality Infrastructure (QI), especially Accreditation and Metrology. During these years various initiatives were taken such as establishing National Accreditation Focal Points (NAFPs) in Nepal & Bhutan, the creation of the SAARC Expert Group on Accreditation (SEGA) and holding its annual meetings for knowledge & experience sharing, and various other capacity building programs in the area of Accreditation & Metrology. NABCB had been the Knowledge Partner to PTB, Germany in many of these initiatives under the SAARC-PTB Cooperation. Accreditation Bodies & NMI in the region have immensely benefitted over the years from this initiative. CEO, NABCB, Mr. Rajesh Maheshwari attended the concluding workshop, which was attended by many QI bodies of the SAARC region, apart from Mr. Uwe Miesner, Head of Section Asia PTB, and Mr. Jamal Uddin Ahmed, Director SAARC.



CEO NABCB recommended to SAARC Secretariat to continue this initiative further on regional co-operation of QI bodies.

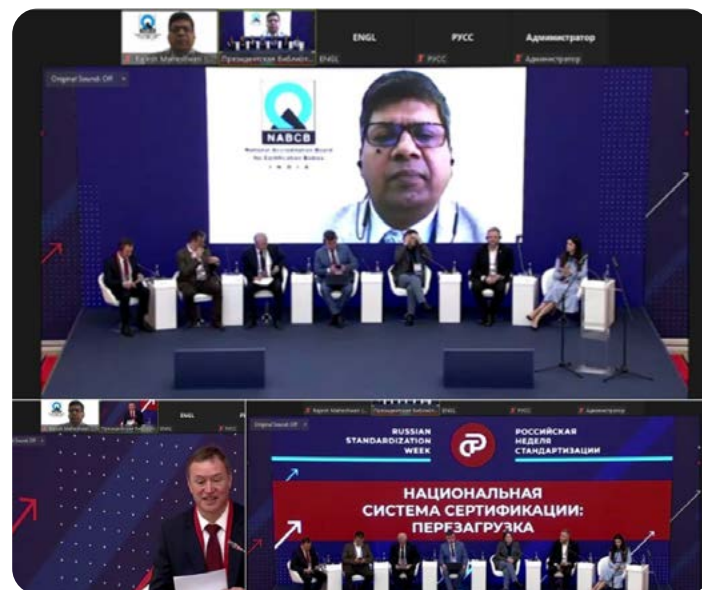
Mr. Esala Weerakoon, Secretary General, SAARC Secretariat welcomed & hosted lunch for all participants at the SAARC Secretariat.

NABCB & NABL, the constituent Boards of QCI, acknowledge and appreciate the partnership of the SAARC Secretariat with PTB in developing QI in the SAARC member states.

NABCB presentation on World Standards Day

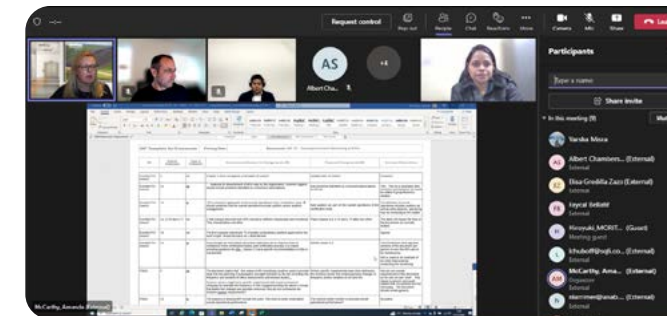
14th October, 2022

On the occasion of the World Standards Day, CEO, NABCB, Mr. Rajesh Maheshwari was invited by the Russian Institute of Standardization to the Russian Standardization Week event held in St. Petersburg to present virtually on "Accreditation Driving Conformity Assessment in Industry and Global Trade". The Quality Infrastructure (QI) as well as the Accreditation Framework in India, especially relating to NABCB accreditation for various standards and conformity assessment schemes, driving conformity assessment across industry sectors and facilitating trade was presented. This event was held under the patronage of the Federal Agency for Technical Regulation and Metrology, and the Ministry of Industry and Trade of the Russian Federation.

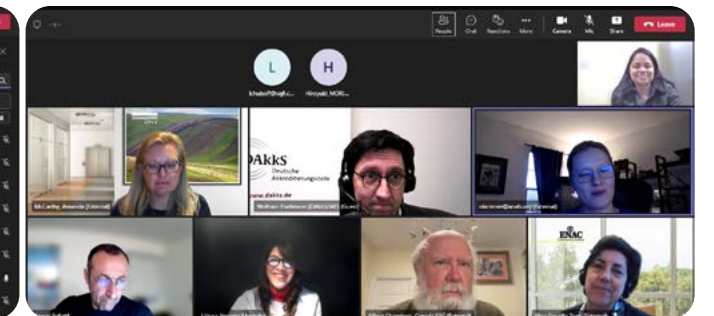


NABCB participates in IAF Food Working Group Taskforce Meeting

18th October, 2022



Ms. Varsha Mishra, Deputy Director, NABCB participated in the IAF Food Working Group GFSI RTTT Feature 3 – Phase 2 meeting held virtually on 18th October 2022. The Taskforce aims to prepare an IAF ID (Informative Document) for the Development and Monitoring of KPIs in Food Safety Schemes in accordance with IAF PR2.



NABCB meeting with GCC Accreditation Center (GAC)

2nd November, 2022

Mr. Brahim Houla, Accreditation Services Director, GAC visited NABCB office in New Delhi, and met CEO, NABCB, Mr. Rajesh Maheshwari and other senior officers of NABCB. CEO NABCB welcomed him and appreciated his strong support and cooperation with NABCB. Both, NABCB & GAC had earlier signed an MoU for cooperation in the field of accreditation. Mr. Houla appreciated the leading role being played by NABCB in the field of accreditation in India as well as internationally. Both officials further discussed on areas of mutual interest and cooperation, including the accreditation for Halal Certification, to further facilitate and support bilateral trade between India and GCC countries.



NABCB officials attend Global G.A.P. Annual Meeting 2022 with Accreditation Bodies

15th November, 2022

Mr. Rajesh Maheshwari, CEO, NABCB and Ms. Varsha Mishra, Deputy Director, NABCB attended the Global G.A.P. Annual Meeting 2022 with Accreditation Bodies (ABs) held virtually

on 15 November 2022. The meeting provided updates on Global G.A.P. v6, IFA v6 & GRASP v2, and other key matters. Views & suggestions from ABs were also sought on some important policy matters concerning certification schemes.

The meeting was attended by 90+ participants from Global G.A.P. ABs around the world.

NABCB officials attend APAC Training on ISO/IEC 17020:2012 and ISO/IEC 17011

NABCB officials participated in the APAC Training for Accreditation Body Personnel on Accreditation of Inspection Bodies as per ISO/IEC 17020 from 15-17 November 2022 and Requirements of Accreditation Bodies as per ISO/IEC 17011 from 29 Nov to 1 Dec 2022.

The training courses focused on the requirements of the standards ISO/IEC 17020: 2012 Conformity Assessment — Requirements for the operation of various types of bodies performing inspection.

ISO/IEC 17011:2017 Conformity Assessment — Requirements for Accreditation Bodies Accrediting Conformity Assessment Bodies, ILAC P 15, ILAC G 27, and other relevant requirements.

Despite being virtual, the trainings were planned as interactive training sessions. The training witnessed active participation from personnel of Accreditation Bodies in the APAC economy.

NABCB participates in Seaweed Food Safety Workgroup-New York Sea Grant, Cornell Cooperative Extension Stony Brook University

27th November, 2022

Ms. Varsha Mishra, Deputy Director, NABCB participated in a discussion on Seaweed Food Safety Workgroup on 27 Nov 2022. The objective of the working group is to develop "Hazards and Controls Guide to Support Safe Seaweed Production and Marketing".

NABCB participates in the World Soil Day celebration event organized by FAO

5th December, 2022

Ms. Varsha Mishra, Deputy Director, NABCB participated in the World Soil Day celebration event organized by FAO on the theme "Soil: Where Food Begins". The World Soil Day 2022 (WSD) and its campaign aims to raise awareness of the importance of maintaining healthy ecosystems and human well-being by addressing the key challenges related to soil fertility, soil health, and nutrient imbalance. WSD is a unique platform that celebrates soils and engages citizens around the world to improve soil health.

Dr. Qu Dongyu, FAO Director-General; H.E. Janusz Wojciechowski, EU Commissioner for Agriculture; The Permanent Representative of the Russian Federation to FAO, H.E. Victor Vasiliev; The Permanent Representative of China to FAO, H.E. GuangDefu, Ambassador; and the Permanent Representative of the Republic of Korea to FAO, H.E. Lee Seong-ho shared their views and remarks under the motto "Soils, where food begins".

NABCB participates in the launch of the International Years of Millets organized at FAO headquarters (Hybrid Meeting)

6th December, 2022

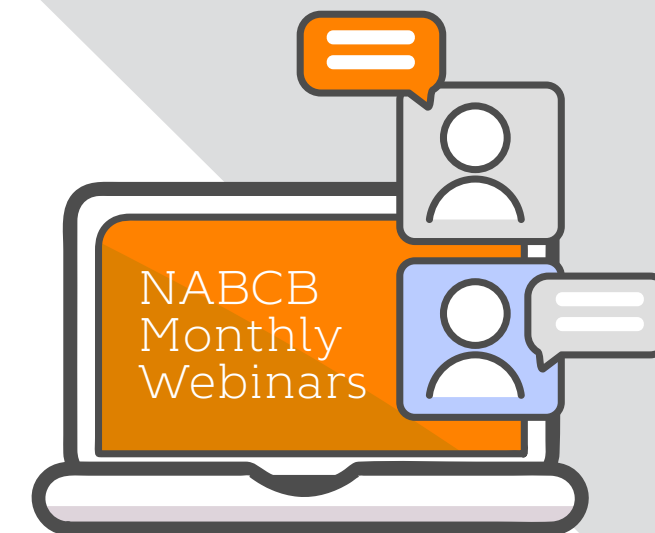
Ms. Varsha Mishra, Deputy Director, NABCB participated virtually in the launch of the International Years of Millets (IYM) organized at FAO headquarters on 6 December 2022. The Opening Ceremony of the International Year of Millets 2023 hosted by FAO aims to raise awareness and create momentum for the IYM 2023 by engaging FAO Members and other relevant stakeholders and highlighting the benefits of promoting the sustainable cultivation and consumption of millets.

NABCB participates in the 45th Session of the Codex Alimentarius Commission

12th - 13th December, 2022

Mr. Rajesh Maheshwari, CEO, NABCB, and Ms. Varsha Mishra, Deputy Director, NABCB, participated in the 45th Session of the Codex Alimentarius Commission. The plenary session of CAC45 was held virtually from 21 to 25 Nov 2022 at FAO headquarters, in Rome, Italy. The report adoption session was conducted in a virtual mode only on 12th and 13th December 2022.

The opening session on 21 Nov, 2022 started with the adoption of agenda, appointment of the co-ordinators, election of chairperson, report by chairperson on the 82nd and 83rd session of the executive committee. It also includes work of different codex committee i.e. codex committee on fats & oils, nutrition & food for special dietary uses, food hygiene, fresh food and vegetables, codex committee on contaminants in food, pesticide residue, spices and culinary herbs as well as FAO/WHO regional coordinating committee.



NABCB Monthly Webinars

In order to increase the awareness about various NABCB accreditation schemes, a series of monthly webinars were organized from October to December 2022 with the objective to increase awareness about various NABCB schemes and the benefits of using NABCB accredited conformity assessment bodies amongst Government Organizations, Regulators, Industry, Conformity Assessments Bodies (CABs) and other stakeholders.

Webinar on Aerospace QMS Standards

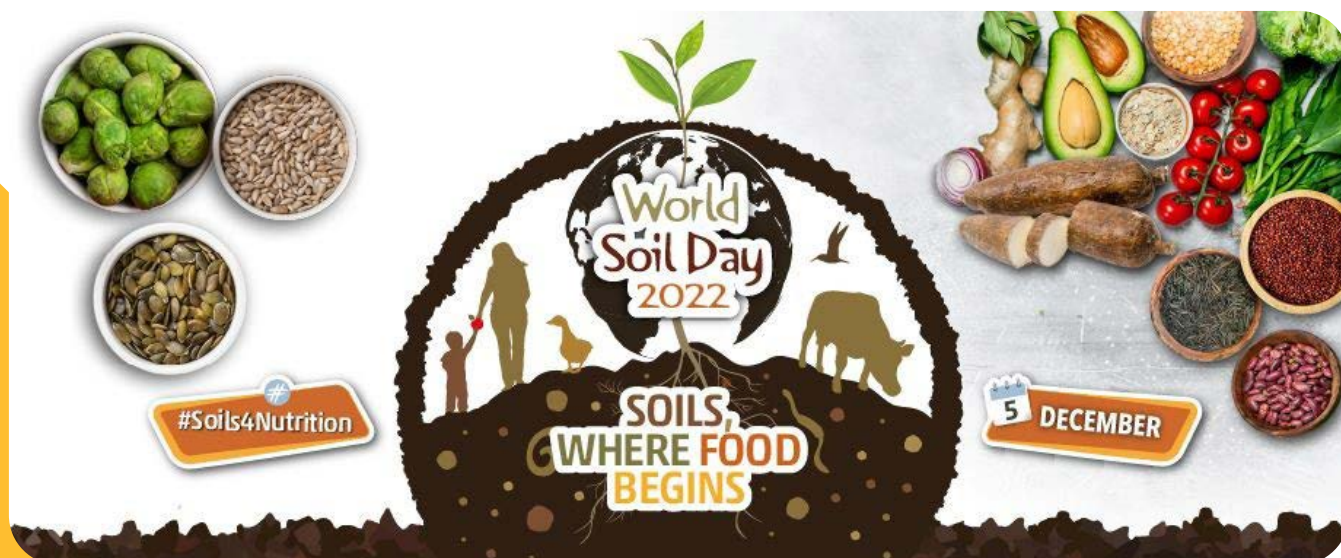
NABCB organized a webinar on Aerospace Quality Management Systems (AQMS) Standards and the Industry Controlled Other Party (ICOP) Scheme.

Mr. Rajesh Maheshwari, CEO, NABCB highlighted the growing Aerospace Industry and the need for ICOP scheme in India for the aviation, space and defence sector.

Mr. Vijayshankar Prajapati, GM TASL & Country Lead IAQG / APAQG gave presentation on the activities of InAQG and shared the good news of support from IAQG for establishing the ICOP scheme in India thereby making it one of the few countries where it is implemented.

Mr. Deepak Garoo, Asia Supplier Quality Head, Pratt & Whitney gave presentation on the salient aspects of AS 9100 standard and the various aspects of quality control in the aerospace industry.

The webinar had overwhelming participation from Industry, Government, Conformity Assessment Bodies, and NABCB Assessors.



nbqp.qci.org.in

The QCI Powered Sessions

REPORT

13th Biennial AgriCorp Conference & Buyer Seller Meet

Creating an ecosystem for integrating FPOs & Ag-Tech Start-ups into a Value Chain

Bombay Chamber of Commerce & Industry (BCCI)

The 13th Biennial AgriCorp Conference & Buyer Seller Meet was held on 11th & 12th Oct 2022 at BCCI with an aim to bring Farmers, Industry and Consumers closer. Quality Council of India powered a session on the second day of the conference.

The session was addressed by Dr. Manish Pande, Director and Head, Project Analysis and Documentation Division (PADD), QCI. He spoke on Conformity Assessment Frameworks for Establishing Good Agriculture Practices in Agriculture Value Chains. Explaining the Quality infrastructure and functions of Quality Council of India (QCI), Dr. Pande briefed about the structure of QCI explaining the work of various boards and divisions. He briefly discussed the work of PAD Division. The PAD Division currently handles numerous Voluntary Certification Schemes cutting across various sectors, from Aviation, Cyber Security, Biotrade, Ready Mix Concrete, Agriculture, and Healthcare to Food [Q Safe, IndiaGHP and IndiaHCCP].

Dr. Pande also spoke in detail about the India Good Agricultural Practices Certification Scheme (IndG.A.P), which is in the process of being benchmarked with the Global G.A.P. The benefit of this scheme will have to provide tangible and intangible gains to promote sustainable agricultural growth and assist in market access of Agri products to the global markets.

Strives to promote application of quality management standards and statistical quality tools with an objective of enabling industry, to improve their competitiveness, with specific focus on SME sectors. Focusses on empowering the consumers to demand quality and consequently creating a back-pressure on suppliers to ensure quality of their products and services.



National Board for Quality Promotion

ARTICLES

NBQP

NABCB

NABET

NABH

NABL



By implementing good practices, safety & quality can be achieved with proper handling & management throughout the cultivation of post-harvest processing.



He also presented the compliance ecosystem in India in relation to QCI. Dr. Pande also informed the audience about the scheme-making process in the PAD Division. Describing the 5 stages of the design and development of the Voluntary Scheme, starting from the nomination of the committees to the members agreeing and drafting the scheme to be launched, Dr. Pande stated that the agriculture industry is the largest employer of the workforce within the country and India is the largest producer of mango, banana, coconut, cashew, papaya etc. Also, our country is the second largest producer of vegetables & fruits, rice, wheat groundnuts, cashew and tea. India is also the world's largest producer, consumer and exporter of spices.

He also emphasized on the point that by implementing good practices, safety and quality can be achieved with proper handling and management throughout the cultivation of post-harvest processing which is important to retain their inherent qualities. Talking further about 'Good Agricultural Practices' (GAP), he explained that it addresses two components of the value chain: (i) Farm Level and (ii) Pack House. The Farm Level is related to the pre-harvesting preparation, production & harvesting including transportation to the pack house whereas, Pack level focuses on post-harvest handling washing, grading, etc. including transportation to the customer. While the scope of IndG.A.P. covers all agriculture farm produce, it is structured in a manner to address the small and marginal farmers by developing certification criteria suiting their needs.



Dr. Pande also explained the mechanism of execution of the voluntary certification scheme and benchmarking of IndG.A.P to GlobalG.A.P. He also briefed the process of 'Group Certification', which promotes uniformity in the operation of the certification scheme and the interaction between the Certification Bodies (CBs) and the Producer Group seeking certification. A novel initiative, this reduces the cost of certification that helps in access to markets by farmers.

The session also witnessed other eminent speakers such as Mr. Chetan Bhakkad, Partner, Grant Thornton India; Shri. Deepak Shinde, General Manager MSAMB and Project Director, Maharashtra Agribusiness Network Project (MAGNET); Shri. Dasharath L. Tambhale, Director Agriculture, Agriculture Technology Management Agency (ATMA); Mr. Vijay Kolekar, Agronomist, Project on Climate Resilient Agriculture (POCRA) and Dr. Tarannum Kadarbhai, Liaison Officer, Indo-Dutch Centers of Excellence.

REPORT

Annual Healthcare Conference- FICCI HEAL 2022 by Federation of Indian Chambers of Commerce & Industry (FICCI)

Healthcare Transformation: Driving India's Economic Growth



FICCI Federation House

The FICCI's annual healthcare conference- FICCI HEAL 2022, was held from October 10 to 12, 2022 at FICCI, New Delhi. The conference was graced by Hon'ble Vice President of India, Shri Jagdeep Dhankhar and supported by the Ministry of Health and Family Welfare and NITI Aayog, Government of India.

Shri Jagdeep Dhankhar addressed the audience by first appreciating the efforts of the Federation of Indian Chambers of Commerce and Industry and suggested that the government should work with the citizens, and industries towards achieving the goal of global healthcare. He also emphasized that Healthcare is one of

focused on the 'cost-effective quality' approach, which ultimately leads to improved efficiency, enhanced patient safety, and reasonable profits for healthcare providers. Dr. Atul Kochhar, CEO, NABH, was the moderator of this session. Reducing the cost and providing quality is one of the biggest challenges in the healthcare sector. He gave the overview of the average cost of healthcare facilities and also the key challenges for this Industry highlighting the quality and patient safety. Talking about the commitment of the Government of India, he showcased the data that there were approximately 35,000 hospitals in India in 2013 including both government and private. It is expected that there will be 100,500 hospitals by 2035.

the most important pillars of nation-building - impacting not just the economy, but the productivity, well-being and happiness of citizens. Health and Education are twins that need to be well-looked after and nurtured for our present & future being.

"Let us work together- public & private, centre & states, citizen & government for our collective dream of Universal Healthcare- affordable, accessible, advanced & quality healthcare for all our people", he said.

Cost Quality Conundrum

The conference witnessed the panel discussion on the theme 'Cost Quality Conundrum'. This QCI-powered session

He also briefed the audience on the role of NABH in this whole healthcare ecosystem; the core activities of NABH include; Accreditation, Certification, Empanelment and Way forward. There are more than 3,800 empanelments and over 12,000 accreditation and certification hospitals.

Talking about different ways to reduce healthcare costs, Dr Kochhar highlighted the importance of Data Analytics which will help in policymaking. It will also help in minimizing healthcare waste, reduce

Healthcare is one of the most important pillars of nation building - impacting not just the economy, but the productivity, well-being and happiness of citizens.



hospital readmissions, and cost-effective treatment for chronic disease. He also underlined the 'Cost-Quality-Access' conundrum; reduction of cost, Improvement in quality and access to the patients. He highlighted that Effective Quality refers to giving patients the right care in a way that is technologically proficient, with good communication & the highest level of efficiency. He also set the tone of the session, mentioning the key points for discussion. He ended his talk by quoting Aldo Gucci- "The bitterness of poor quality is remembered long after the sweetness of low price has faded from memory".

The session also witnessed eminent speakers from the healthcare field including, Shri Shankar Prinja, Executive Director of the National Health Authority who stated about the patient profile in Healthcare initiative that aims to create and validate patient profiles as a novel, useful tool that promotes more specialized chronic care management in regular practice. The conference received extensive media coverage and was a great success with the participation of over 400 delegates.



REPORT

IndiAirport Expo & Conference - An International Expo & Conference on Airport Technology



Drones: Future Outlook (Powered By QCI)

The India Expo Centre Mart

IndiAirport Expo and Conference was held on 22, 23 & 24 of Nov 2022 with a vision of giving opportunities to all sectors of airport-related technology, equipment and services. The conference offered an ideal opportunity for participants from the aviation sector including products, services and solutions to meet and engage with senior and middle management from airports, airlines, government agencies, regulators, ground handlers, architects, engineers, consultancies, suppliers and buyers.

On the first day of the Expo and Conference, Quality Council of India powered a session on the topic 'DRONES-Future Outlook'. The session was chaired by Shri Amber Dubey, Former Joint Secretary, Ministry of Civil Aviation and Former Partner at KPMG. The esteemed panellists of the session were; Shri Vineet Gulati, Former Member, Air Navigation Services, AAI; Shri Vignesh Santhanam, India Lead-Aerospace & Drones, World Economic Forum; Shri C.S Sharma, Joint Director & Head PMU, QCI; Shri

Guruvayurappan, Associate Manager, PADD and QCI; Shri Marshal Thakran, Coordinator, PADD, QCI.

The key points of discussion of this session were opportunities & challenges, usage of drones across airport infrastructure projects, diversity and inclusion in the drone industry, Certification Scheme for Unmanned Aircrafts Systems (CSUAS), commercial application of drones, accelerating drone & component manufacturing in India-PLI, accelerator programmes for drone start-ups, and drone operations in practice.

Shri Amber Dubey explained that an 'Unmanned Aerial Vehicle' is commonly known as drone. He described it as powerful equipment with several advantages. He mentioned that drones are used in agriculture for various tasks such as spraying fertilizers, aerial surveillance, crop monitoring, land inspection, monitoring and mapping etc. Shri Dubey also added the advantages of drones in defence, giving a few examples, he said that defence troops need continuous monitoring to assess the movement of the other country. Coming to the aviation sector, he explained that the future of

drones in the aviation industry holds a wide aspect. He also enlightened the audience on restrictions on the use of drones earlier but after several discussions by the Government, all the imposed limitations were lifted up. Drones helped the Government in different cases including the COVID-19 lockdown. In conclusion, he informed the participants about the different zones to fly the drones (green zone, yellow zone and red zone) and the specifications of these zones.

Shri Vineet Gulati discussed the regulations of the drone ecosystem. Talking about the earlier mindset regarding the safety and security factor associated with the use of drones, Shri Gulati highlighted the change in this mindset with time as the usage of drones is increasing in other countries. This change in mindset eliminated the negativity around this technology and the liberated Drone Rules, 2021 gave more scope for the Indian drone manufacturers and buyers to develop this ecosystem. He also spoke about the challenges in traffic control for Unmanned Aircraft. He mentioned that the airspace is used by aeroplanes and birds, and any aircraft's take-off and landing are vulnerable. With awareness

about drones, the red zones in airports are gradually turning green. With the technologies available we can reduce the present restriction on drones around the airport area. He finished his speech by emphasizing that drones are the future as it is time and money-saving and can be utilized in various applications.

Shri Vignesh Santhanam discussed the usage of drones in Healthcare Sector through the pilot project 'Medicine from The Sky'drone delivering vaccines, and medicines to remote areas. The Indian Council of Medical Research (ICMR) released guidelines for the usage of drones in the healthcare sector to ensure access to medicines, vaccines and other paraphernalia to all, especially in the geographically difficult terrains in the country. He also insisted that training programs should be conducted for people involved from hospitals. The future plan also includes proper training for persons involved in drone operations in the healthcare sector and training programs for drone manufacturers to obtain a Type of Certificate. He encouraged the students present in the audience to be part of this community and work in this sector as these are niche fields and an emerging technology which will create future jobs as well. The potential this sector holds is underrated and keeping the future outlook of this sector he gave the example of the recent G20 summit. He concluded that India is not far away to compete with countries like the USA and France as India presents a very natural usage of drones with respect to emerging technologies.

scale, quality and sustainability. QCI is working towards establishing quality in the drone ecosystem. CSUAS aims to provide the certification as a mark of quality in the manufacturing of drones. He also presented the governing structure of the Multi-stakeholder Committee. Shri Sharma stated that the release of liberated Drone Rules 2021 has indeed made it possible to establish a global certification and accreditation framework for UAS. He enlightened that the Certification process for the applicant includes submission of the D1 form on Digital Sky Platform (DSP) along with the supporting documents, selection of Certification Body (CB) by the applicant, review of the documents submitted during stage 1, witnessing the flight test during stage 2 & final evaluation by CB and submission of Statement of Conformity (SoC) pack for issuance of Type Certificate by DGCA. He further informed that QCI has developed a dedicated portal where the manufacturers can identify the NABL-Accredited testing labs, simplified forms and processes,



Shri C.S Sharma, one of the eminent panellists of this session, deliberated at length about the quality aspect of the Certification Scheme for Unmanned Aircraft Systems (CSUAS). He declared that the cost of good quality is always less than the cost of poor quality. He started with an introduction to the compliance ecosystem in India. There are two systems; Voluntary system and Regulatory system both can support each other to attain speed,

guidelines for battery testing, clarification on Self Declaration of ETA and updated FAQs.

He also discussed the technical criteria requirements for the drone manufacturer to apply for Type Certification. He concluded his session by presenting the proposed BVLoS criteria which were followed by a discussion on the requirement,

and challenges for Beyond Visual Line of Sight (BVLoS). He insisted the industry and other stakeholders to come forward to include the scope of BVLoS in the UAS certification scheme developed by QCI.

Panellist Shri Guruvayurappan also shared his views on the theme 'Drones for Future Outlook'. From an operations point of view, Shri Guruvayurappan deliberated that the Air Traffic Flow Management (ATFM) could be programmed to include the management of UAVs by adapting the Flexible Use of Airspace (FUA) concept as airspace separation standard for UAVs from manned aircraft. UAVs equipped with ADS-B to create situational awareness to ensure the safe separation of drones and aircraft. Shri Vineet Gulati added his perspective by highlighting the properties of Air Traffic Management and Unmanned Traffic Management. Explaining the FUA, Shri Gulati said that in the Indian context the FUA is an airspace management concept based on the principle that airspace should not be designated purely as civil or military, but rather as a continuum in which all users are accommodated to the greatest possible extent. Shri Gulati gave a few examples of the benefits of FUA, the ongoing UTM in Zurich Airport, Switzerland i.e. drones are supposed to be equipped with ADS-B for the surveillance broadcast to ATC for identification of drones and to separate them from manned aircraft. Now, drone manufacturers and technology innovators should explore the possibility of equipping either broadcast-based technology or network-based technology with drones for the best suitable solution.

The session was succeeded with a Q&A session on the future prospects of Drones for the aviation industry. Shri Amber Dubey concluded the session by thanking all the panellists and enlightening with their knowledge. All the panellists were presented a memento as a token of appreciation.

REPORT

2nd Global Value Chain Meet

Making India an Export Manufacturing Hub and Investment



ASSOCHAM organized the 2nd Global Value Chain Meet. The objective of the meet was to deliberate on different enablers of global integration and offer exclusive thematic sessions along with suppliers-buyers networking and to better understand the global sourcing requirements in a post-pandemic world.

In the QCI powered session, Dr. Ramanand N. Shukla, Director, ZED, QCI highlighted the need for a robust value chain within the country to take advantage of the changing global

equation. He emphasised that the adoption of quality practices and standards along with a focus on sustainability will be the key to achieve the vision of becoming a \$5 trillion economy.

Further, Dr. Shukla highlighted that MSMEs contribute to around half of the country's exports and therefore, enhancing the quality and competitiveness of MSMEs is critical to ensure that India can be a hub for Global suppliers. He shared that, in order

to help MSMEs enhance their quality and competitiveness, the Ministry of Micro, Small and Medium Enterprise, Govt. of India has launched the MSME Sustainable (ZED) Certification Scheme for which Quality Council of India is the implementation agency. Dr. Shukla also highlighted various benefits and incentives of the scheme for MSMEs and explained how even large enterprises, OEMs and PSUs can get benefit by adopting ZED Certification for their supply chain.

REPORT

63rd Annual Delhi State Medical Conference MEDICON 2022



Delhi Medical Association

Quality Council of India –NABH powered a session at the 63rd Annual Delhi State Medical Conference, MEDICON-2022. Dr. Atul Mohan Kochhar, CEO, NABH discussed the role of NABH

in the healthcare ecosystem, He highlighted, the core activities of NABH including Accreditation, Certification, Empanelment and the way forward.

He elaborated that the NABH is structured to cater to much desired needs of the consumers and set benchmarks for the progress of

healthcare organizations. There are more than 12,000 accredited and certified hospitals and over 4500 empaneled centres. He also explained the process of certification, accreditation and empanelment. The session was attended by more than one thousand Doctors of Delhi and NCR and generated keen discussion.

NBQP Celebrates Quality Month

Global quality community usually celebrates November as the Quality Month. The World Quality Month provides a platform for acknowledging the efforts & accomplishments of Quality and all who work to make it happen. The objective is to promote quality and innovation culture with emphasis on sharing of knowledge, innovation, best practices etc.

Each year we adopt a theme around which the online events are based. This year the theme was **"Quality Through Responsible Consumption and Production"**. These activities were spread out throughout the entire month

Like every year, NBQP/QCI also celebrated November - 2022 as the World Quality Month by organizing a series of online competitions like:

Creative Banner Making

Quality Movement Initiative

A report on Quality Month celebration at your organization

Quiz Competition

enabling a large number of organizations including the quality professionals from across the sectors to participate. Some of these competitions received a good response from all across the country.

Quality Month Competition Winners - 2022

CREATIVE BANNER COMPETITION REPORT		
S.NO.	NAME	ORGANIZATION NAME
1	BHUMI VYAS	MARICO LTD
2	CHETHAN HG	KANTI SWEETS PVT LTD
3	ANKIT SHARMA	RG INDUSTRIES, KUNDLI
4	MRS. SUNEETHA	R. L JALAPPA HOSPITAL & RESEARCH CENTER
5	ATUL KUMAR BHUSHAN	GANGA CARE HOSPITALS,NAGPUR
6	MANISH KUSHWAHA	KGN LIGHTS PRIVATE LIMITED
7	UMA BANSAL	STUDENT
8	RUCHI TRIPATHI	STUDENT
9	VANI	USP INDIA
10	DR. ASHWINI B. KAMBLE	SHRI MATA VAISHNO DEVI NARAYANA SUPERS PECIALITY HOSPITAL
11	AKAANKSHA SHUKLA	STUDENT
12	VIKRAM SOLAR LIMITED	KIRUBASANKAR V

A REPORT ON QUALITY MONTH COMPETITION AT YOUR ORGANIZATION

S.NO.	ORGANISATION NAME
1	R. L JALAPPA HOSPITAL & RESEARCH CENTER
2	RG INDUSTRIES, KUNDLI
3	FATIMA HOSPITAL LUCKNOW
4	MYHOME RAKA PROJECT
5	R L JALAPPA HOSPITAL & RESEARCH CENTER
6	RUKMANI BIRLA HOSPITAL, C K BIRLA, JAIPUR
7	JP INFRA REALTY PVT LTD
8	MOTHERSON SUMI WIRING INDIA LIMITED
9	KOHLER POWER INDIA PVT LTD
10	ADAMA INDIA PRIVATE LTD
11	TRIVENI TURBINE LTD, PEENYA BANGALORE
12	VEDANTA ALUMINIUM LIMITED , JHARSUGUDA
13	SHUBHADA POLYMERS PRODUCTS PRIVATE LIMITED
14	SRI RAMAKRISHNA HOSPITAL (MULTI- SPECIALTY)
15	NOVARES INDIA AUTOMOTIVE PVT LTD
16	RANDACK FASTENERS INDIA PRIVATE LIMITED
17	AXALTA COATING SYSTEM INDIA PVT. LTD
18	SHRIRAM PISTONS & RINGS LTD.
19	ASHOK LEYLAND
20	HAVELLS INDIA LIMITED (LIGHTING)
21	IMPELSYS
22	YANJAN NEW MATERIAL INDIA PVT LTD
23	ACEINOTEC MANUFACTURING PRIVATE LIMITED., BENGALURU

QUIZ COMPETITION REPORT

S.NO.	WINNERS NAME	ORGANIZATION NAME/STUDENT NAME
1	TANISH ARORA	STUDENT
2	SANJEEV DAHIYA	PROFESSIONAL
3	DEEPENDRA	SELF EMPLOYED
4	PRAGADA VERAJA	SEEDWORKS INTERNATIONAL PVT LTD, HYDERABAD
5	MANOJ AGRAWAK	MARGDARSHAN

6	WASIM SHABIR	PROFESSIONAL
7	SHARADKUMAR	BOSCH LTD
8	DR. NEHA DEWAN	MARENCO QRG HOSPITAL
9	K MANIKANDAN	SAINT-GOBAIN INDIA PVT LTD
10	AKASH DEEPAK KULKARNI	TRIVENI TURBINE LTD
11	VAIBHAV SINGH	ALUDECOR LAMINATION PVT. LTD.
12	JAYVRAT SINGH	LUPIN LIMITED
13	HARSHITA K	KANTI SWEETS PVT LTD
14	SHIV PANDYA	ADAMA INDIA PRIVATE LIMITED
15	SUNEEL KUMAR	PROFESSIONAL
16	ASHISH KUMAR LAKRA	VEDANTA ALUMINIUM LIMITED-JHARSUGUDA
17	KRISHAN LAL	RETIRED
18	ISHAN RASTOGI	SHRIRAM PISTONS & RINGS LTD., PATHREDI
19	MANVI	JAYPEE INSTITUTE
20	ARAVIND THAMBU	EQUITAS SMALL FINANCE BANK LTD
21	DR SUNIL GUPTA	IDEAS
22	PANKAJ KANSAL	BHEL
23	BINOD KUMAR SATPATHY	BHARAT HEAVY ELECTRICALS LIMITED
24	DIWAKAR KUMAR	PROFESSIONAL
25	DR GEETA GURUNATH FULARI	SANKARA EYE FOUNDATION INDIA
26	CHIRAG BHAT	BOSCH NAP
27	MANISH GUPTA	ADAMA INDIA PRIVATE LIMITED
28	HARSHAL MAHAJAN	BOSCH NASHIK
29	DEEPALLAVANYA	GLENEAGLES GLOBAL HEALTH CITY
30	MALLIK BASAPPA	PROFESSIONAL
31	YASMEEN SHEIKH	ALUDECOR LAMINATION PVT LTD
32	DEEPANSHU	M/S ROOP POLYMERS LTD.
33	BALWANT SINGH RANA	ROOP POLYMERSLIMITED
34	MANOJ KUMAR ARORA	RAHURI SEMEN STATION
35	NIRAJ KUMBHAR	STUDENT OF ICAI
36	AYUSH GHEEWALA	ADAMA INDIA PRIVATE LIMITED
37	DEENAL C. SHAH	ENVIROCARE LABS
38	MEETA ASTHANA	ZF INDIA TECHNOLOGY CENTER
39	MURALI LAKSHMINARASIMHAN	EQUITAS SMALL FINANCE BANK

40	SUBHAM KAR	VEDANTA ALUMINIUM LIMITED
41	SUDIPTO DATTA	TATA PROJECTS LIMITED
42	ABHISHEK BHESAR	BOSCH LIMITED, NASHIK
43	ROQUE REBELLO	PROFESSIONAL
44	SHRIPAD N KULKARNI	SCHNEIDER ELECTRIC INDIA PRIVATE LIMITED.
45	WAJAHAT ALI KHAN	PREMAS BIOTECH
46	RAJNISH TIWARI	NOIDA POWER COMPANY LTD
47	AMRUTA RANADE	GALAXY SURFACTANTS LTD.
48	GAUAMI	INDIAN INSTITUTE OF PUBLIC HEALTH GANDHINAGAR
49	DR HENA BUTTA	INDRAPRASTHA APOLLO HOSPITALS, NEW DELHI
50	DR ARPITA MALANI	INDRAPRASTHA APOLLO HOSPITALS
51	SAVARIMUTHURAJA	SAINT-GOBAIN INDIA PVT LTD
52	SANTOSH SHANKAR SHATPALKAR	AXALTA COATING SYSTEM INDIA PVT. LTD
53	ASHISH NEGI	ALUDECOR LAMINATION PVT. LTD
54	YOGESHKUMAR YERNE	TRIVENI TURBINE LTD
55	ATUL KUMAR AWASTHI	M/S ALUDECOR LAMINATION PVT. LTD.
56	DR SOURAV MAITI	RGHL
57	VIJAY KUMAR PARASHAR	LUPIN LIMITED
58	RAHUL SAHU	VEDANTA LTD JHARSUGUDA
59	SHANKAR TAMHANE	TATA MOTORS TMPV PUNE
60	ALOK NATH MAYANK	ADAMA INDIA PVT LTD
61	CHANDRAKANT PATEL	ADAMA INDIA PRIVATE LIMITED
62	PANKTI RANA	ADAMA INDIA PRIVATE LIMITED
63	SNEHA SONKAR	LUCKNOW UNIVERSITY
64	ROHAN SHINDE	BOSCH NAP
65	HAMID KHAN	ALUDECOR LAMINATION PVT. LTD.
66	MOHIT CHAUDHARY	ALL INDIA FOOD PROCESSORS' ASSOCIATION
67	YASH PAL	PROFESSIONAL
68	ABHISHEK THAKUR	QUALITY COUNCIL OF INDIA
69	KIRUBASANKAR V	VIKRAM SOLAR
70	ANUSHTHA RAGHUVANSHI	RUKMANI BIRLA HOSPITAL, C K BIRLA, JAIPUR
71	SHIS ARQUAM	BHEL
72	JAYWANT RAMBHAU NAGRALE	BOSCH LIMITED NASHIK
73	HEMANT SHANTARAM SHUKLA	SANDEN VIKAS INDIA PVT LTD PUNE

74	KRISHNA PRABA N	DAIMLER INDIA COMMERCIAL VEHICLE
75	VIKRAM SINGH	NOIDA POWER COMPANY LIMITED
76	AFZAL RIZWI	NOIDA POWER COMPANY LIMITED
77	LALIT BHALCHANDRA AMRUTKAR	KOHLER POWER INDIA PVT LTD
78	BISWAJIT PATNAIK	PROFESSIONAL
79	DR SHIKHA RANJAN	PROFESSIONAL
80	JAWAID ANSARI	MOI
81	DR.SIREESHA	MANIPAL HOSPITAL
82	SAVITA RANI	HOUSE WIFE
83	DR ABHISHEK JINWAL	CIVIL HOSPITAL SANWER INDORE
84	GOKUL V	SAINT-GOBAIN SEKURIT INDIA
85	RAJESH KUMAR	SAINT-GOBAIN INDIA PVT LTD
86	AKHIL JOSEPH	SAINT GOBAIN INDIA PVT LTD
87	ROHIT KURUP	LUPIN LIMITED
88	SUMIT KUMAR	ROOP POLYMERS PVT LTD
89	OM PRAKASH	ROOP POLYMERS LIMITED
90	MANISH KUMAR VERMA	M/S ALUDECOR LAMINATION PVT. LTD.
91	KRUTIK PATEL	ADAMA INDIA PRIVATE LIMITED
92	APARNA AWASTHI	BHATIA HOSPITAL
93	PRASHANT PATEL	ADAMA
94	SHUNTY	POLYPLASTICS INDUSTRIES INDIA PVT LTD
95	RAGHAVI	PROFESSIONAL
96	ATUL SINGH	PROFESSIONAL
97	AISHWARYA M	ACEINOTEC MANUFACTURING PVT. LTD.
98	KHUSHBU JARIWALA	SHALBY HOSPITAL, SURAT
99	ARJUN RAJ B	PROFESSIONAL
100	GOURI SHANKAR PATI	VEDANTA LIMITED
101	PELEZOTO PIUS KIKHI	CIHSR
102	SAGAR NAIK	YANJAN NEW MATERIAL INDIA PVT LTD
103	VISHAL MITTAL	STRYKER GLOBAL TECHNOLOGY CENTER PVT. LTD.
104	NARENDRA MALI	JP INFRA REALTY PVT LTD
105	PRAVIN TARHAL	BOSCH LTD,NASHIK
106	PYRIADHARSINI E	BHEL
107	SNEHA OMKAR METHAR	BEE PHARMO LABS PVT. LTD.

108	RACHIT JAIN	PROFESSIONAL
109	SUBHA PRIYA	HOMEMAKER
110	ALOK GUPTA	NOIDA POWER COMPANY LIMITED
111	SWAPNA C	BHARATH HOSPITAL AND INSTITUTE OF ONCOLOGY
112	VENKATESAN.V	WIPRO INFRASTRUCTURE ENGINEERING
113	SURYAKANT BEHERA	ASHIMORI INDIA PVT. LTD.
114	SACHIN AGGARWAL	TELECOMMUNICATIONS CONSULTANTS INDIA LIMITED
115	VAZRALA KOTESWARA RAO BHARATH	MANIPAL HOSPITAL TADEPALLI
116	M. LOKESH	MANIPAL HOSPITAL TADEPALLI GUNTUR
117	VIKRAM	MANIPAL HOSPITALS
118	PRACHI CHATUPHALE	AQ MECHANICAL & ELECTRICAL INDIA PVT LTD
119	UCHIMAHALI	SAINT GOBAIN
120	MAHESH MADHUKAR LIMAYE	MICROCONCEPTS
121	F.AHMED	AUTO FOAM INDUSTRIES
122	PRASAD DANDANE	SAINT-GOBAIN SEKURIT INDIA LTD.
123	GOTTEDA SATEESH KUMAR	MINISTRY OF DEFENCE (DGQA)
124	VANI	USP INDIA
125	SUSHIL PATIL	AXALTA COATING SYSTEMS INDIA PVT LTD
126	DHRUV PATEL	ADAMA INDIA PRIVATE LIMITED
127	SUDIPTA BOSE	ENVIROCARE LABS
128	MOHAN PV	UNITED BREWERIES LIMITED
129	NUPUR MOHANTY	VEDANTA ALUMINIUM LIMITED
130	HIRAL PARMAR	ADAMA INDIA PRIVATE LIMITED
131	MOHD AANIS	QUALITY AUSTRIA CENTRAL ASIA PVT. LTD.
132	SANJAY DUTT PATHAK	IMPERIAL AUTO INDUSTRIES LTD.
133	ANJALI MAURYA	ADAMA INDIA PRIVATE LTD
134	ASHISH MAHESHWARI	THE MODERN DATA COMPANY ,INDORE
135	BALASUBRAMANIAN.M	LARSEN & TOUBRO LIMITED
136	AKASH DUTTA	VEDANTA LIMITED ,JHARSUGUDA ,ORISSA
137	AJIT DESAI	PROFESSIONAL
138	VISHWA JOSHI	ADAMA INDIA PVT LIMITED
139	DR. SUFIA YASMIN	HCMCT MANIPAL HOSPITALS
140	JAYANT VAVHAL	BOSCH LIMITED
141	GOPAL GHATOL	BOSCH LTD

142	DR SOUMYA GOPI	HCL HEALTHCARE INDIA
143	NAGAPOOJA Y M	HERBALIFE NUTRITION INDIA PVT LTD
144	SUSHMITHA	GLENEAGLES GLOBAL HEALTH CITY
145	HIRAL PANCHAL	PROFESSIONAL
146	NARESH	PROFESSIONAL
147	BHAGYA SHREE	CHOLAYIL PVT. LTD.
148	SRAVAN KUMAR RANGANI	APOLLO HEALTH & LIFESTYLE LIMITED
149	AKASH SHARMA	PROFESSIONAL
150	MANOJ YADAV	BHEL-PSNR
151	ABHIJEET M BHAKARE	TURBO ENERGY LTD
152	RAJA N	PROFESSIONAL
153	JABED AHMED CHOUDHURY	PROFESSIONAL
154	SEKAR P	INDIA JAPAN LIGHTING PRIVATE LIMITED
155	MANISH GUPTA	MASTER BUILDERS SOLUTIONS INDIA PVT LTD
156	ROHAN BHARGAVA	ALAKNANDA SYSTEMS

QUALITY IMPROVEMENT INITIATIVES REPORT

WINNERS

S.NO	ORGANIZATION NAME	THEME	TITLE
1	GANDHAMARDAN IRON ORE MINES, ODISHA MINING CORPORATION.	INNOVATION IN PROCESS	SAFE BLOOD TRANSFUSION SAFE PATIENT
2	ROOP POLYMER	INNOVATION IN PROCESS	ELIMINATION OF MURA (IRREGULARITY)
3	UNICEF	INNOVATION IN PROCESS	IMPLEMENTATION OF THE CIVIL REGISTRATION SYSTEM FOR BIRTH REGISTRATION AND AADHAR-LINKED BIRTH REGISTRATION IN THE WHOLE OF UTTAR PRADESH TO ENSURE THE UNIQUE IDENTITY OF NEWBORNS
4	SHRIRAM PISTONS & RINGS LTD.	KAIZEN IMPLEMENTATION	TO REDUCE FACE GAP BROKEN DEFECT IN STEEL RING MANUFACTURING LINE BY 80% FROM BM LEVEL(H2'21-22)
5	SHRIRAM PISTONS & RINGS LTD.	KAIZEN IMPLEMENTATION	TO IMPROVE DELIVERY FROM PISTON CASTING MACHINES
6	ADAMA INDIA PRIVATE LTD	KAIZEN IMPLEMENTATION	IMPLEMENTATION OF POKA-YOKE (ERROR-PROOFING) BY INTRODUCING VIBRO SIFTER
7	MANIPAL HOSPITALS	INNOVATION IN SERVICE	TO DECREASE THE TURNAROUND TIME FOR DELIVERY OF DRUGS FROM IP PHARMACY TO WARDS.

BOARD UPDATES

NATIONAL BOARD FOR QUALITY PROMOTION

8	RANDACK FASTENERS	KAIZEN IMPLEMENTATION	TO DO BROACHING AND PUNCHING OPERATION IN SINGLE STROK FOR BLADE STUD ON POWER PRESS.
9	MANIPAL HOSPITALS	INNOVATION IN PROCESS	EVIDENCE BASED COUNSELLING BY ACURATELY PREDICTING MORTALITY OF CRITICALLY ILL PATIENTS
10	AXALTA COATING SYSTEM INDIA PVT LTD	KAIZEN IMPLEMENTATION	KAIZEN - CONTINUOUS IMPROVEMENT SYSTEM
11	INDRAPRASTHA APOLLO HOSPITALS	QUALITY BEST PRACTICES IMPLEMENTATION	AN EYE ON INSULIN
12	INDRAPRASTHA APOLLO HOSPITALS	INNOVATION IN SERVICE	TECHNOLOGY-WITH THE NURSES, FOR THE PATIENTS/UNLEASHING THE POWER OF TECHNOLOGY WITH THE NURSES
13	RANDACK FASTENERS	QUALITY BEST PRACTICES IMPLEMENTATION	TOOL CUTTER MACHINE MODIFIED TO EASE SHARPENING PLUS ENHANCE RESHARPENED TAPS LIFE
14	MARICO LTD	KAIZEN IMPLEMENTATION	REDUCTION OF SHORT UNIT
15	TEGA INDUSTRIES LTD	INNOVATION IN PROCESS	CREATE NEW MIXER MACHINE FROM SCRAP ITEMS
16	TEGA INDUSTRIES LTD	INNOVATION IN PRODUCT	TO RECTIFY MOULD FOR AVOIDING AIR BUBBLES FORM THE PRODUCT SURFACE AND DIMENSION DEVIATION
17	BOSCH LIMITED,NASHIK	INNOVATION IN PROCESS	QUALITY THROUGH RESPONSIBLE CONSUMPTION & RESPONSIBLE PRODUCTION
18	SABARMATI ASHRAM GAUSHALA	INNOVATION IN PROCESS	REDUCTION IN AGE OF INDUCTION OF DEMANDABLE TRAINING BULLS FOR FSDS PRODUCTION
19	VEDANTA LTD ALUMINIUM & POWER JHARSUGUDA , ODISHA	INNOVATION IN PROCESS	REDUCING IN POT CUTOUT TIME BY REDUCING FORKLIFT TRAVEL DISTANCE DURING EMERGENCY POT CUTOUT.
20	RANDACK FASTENERS	INNOVATION IN PROCESS	PROCESS CHANGE TO SAVE MATERIAL COST.ALSO REDUCE SET UP FOR FINISH THE PART
21	ODISHA MINING CORPORATION	INNOVATION IN PROCESS	REDUCTION IN REQUIREMENT OF WALKIE TALKIE
22	MARICO LTD	KAIZEN IMPLEMENTATION	CAPPING JAW MODIFICATION TO ELIMINATE THE LOOSE CAP ISSUE
23	NDDB DAIRY SERVICES	INNOVATION IN SERVICE	TO REDUCE THE OUTSIDE FODDER DEPENDENCY
24	GANDHAMARDAN IRON ORE MINES, ODISHA MINING CORPORATION.	QUALITY BEST PRACTICES IMPLEMENTATION	TO REDUCE THE OUTSIDE FODDER DEPENDENCY
25	NDDB DAIRY SERVICES	INNOVATION IN SERVICE	HYBRID CLOUD DATA CENTRE SOLUTION FOR PRODUCER COMPANIES

Please copy the list of winners from this link: <https://wqm.qci.org.in/2022/winner-list-2022>



e-Learning CAPSULE COURSES

Training and Capacity Building Cell, eQuest is initiating

Series of Capsule Courses

with a catalogue of 25 courses to celebrate the glorious occasion of QCI's Silver Jubilee and to support the mission of

Make in India.



The initiative is intended to continue with varied courses of market relevance in future.

The Capsule courses shall be curated to befit the requirements of the individuals working or intent to work across Supply chain.

Realms of Courses-

- Technology
- Management
- Systems
- Marketing
- Operations
- Sector Specific
- Quality

The Ecosystem of eQuest

- Students
- Professionals like regulators, public sector officers, MNC, MSME
- Entrepreneurs
- Assessors and Consultants

It is our promise to help you take your first step on the bridge to success in this ever-changing world and provide you with knowledge and skill anytime, anywhere.

or write to us at:
equetsupport@qcin.org

For more details and to register for the courses, head on over to
<https://equest.co.in/>

OUR SOCIAL MEDIA PRESENCE

Quality will define Brand India. At silver jubilee celebration of @QualityCouncil, sought support for more alignment with international quality standards to realise PM @NarendraModi ji's 'Panch Pran' in Amrit Kaal: Minister @PiyushGoyal

[youtube.com/watch?v=pzjeHE...](https://www.youtube.com/watch?v=pzjeHE...)



5:22 PM - 06/10/22

160 Likes 66 Retweets

DD Sahyadri News | सहाद्री बातम्या @ddsahyadrinews

भारतीय गुणवत्ता परिषदेच्या रौप्यमहोत्सव समारंभात केंद्रीय वाणिज्यमंत्री @PiyushGoyal सहभागी

स्वातंत्र्याच्या शताब्दीपर्यंत भारताला विकसित राष्ट्र म्हणून नावारूपाला आणण्यासाठी देशात गुणवत्तेची संस्कृती रुजवण्याची गरज- केंद्रीय मंत्री पियुष गोयल.

@QualityCouncil @DDNewsLive



7:40 PM - 06/10/22

DD India @DDIndiaLive

Quality Council of India Completes 25 Years & they are set to lead the charge for a nationwide quality mission: Secretary General, Ravi Singh

Watch: youtu.be/4jRlUgfaYBE

@tapasjournalist @QualityCouncil @DPIITGol



405 views

10:23 AM - 07/10/22

ASSOCHAM @ASSOCHAM4India

The @QualityCouncil (est. 1997), celebrated a milestone of completing 25 years on 6th Oct'22. #ASSOCHAM is honoured to have been part of the establishment of an organisation created for the assessment of effective products, services & processes.

Read:



news18.com
Quality Council of India Celebrates Its Silver Jubilee; Goyal Says 'Quality Is National Mission'

News18 @CNNNews18

Sh. @PiyushGoyal, Minister of Commerce & Industry, Consumer Affairs, Food & Public Distribution & Textiles, GoI, inspires people who are a part of the Quality Movement to work towards India becoming a developed nation. @QualityCouncil #GunnvattaSeAatmanirbharta- #IndiaQualityMovement



Quality is all about organizing our day-to-day working to improve quality. Everything we do can be done better, more efficient, can become cost-effective, more useful for people, and help the country become developed in the next 25 years. It can transform this country faster than our imagination.

Sh. Piyush Goyal
Hon. Minister of Commerce & Industry.

Dept of Commerce, GoI @DoC_GoI

Hon'ble Minister of Commerce & Industry, Shri @PiyushGoyal urges the @QualityCouncil to bring about convergence of all quality & standards organizations in the country to make quality a national mission

Quality will define brand India in the time to come

pib.gov.in/PressReleasePa...



Minister of Commerce and Indust... and 9 others

National Health Authority (NHA) @AyushmanNHA

NHA signed MoU with @NABH_QCI to establish collaboration in the area of capacity building, dissemination of #Information, promotion of #NABH accreditation & #ABDM Standards, #TechnicalSupport, stakeholder advocacy & public awareness under government initiative for ABDM.



AIR News Pune @airnews_pune

भारतीय गुणवत्ता परिषदेच्या रौप्यमहोत्सव समारंभात केंद्रीय वाणिज्यमंत्री पियुष गोयल सहभागी

स्वातंत्र्याच्या शताब्दीपर्यंत भारताला विकसित राष्ट्र म्हणून नावारूपाला आणण्यासाठी देशात गुणवत्तेची संस्कृती रुजवण्याची गरज- केंद्रीय मंत्री पियुष गोयल.


@QualityCouncil



8:30 AM - 07/10/22

Amitabh Kant @amitabhk87

Pleasure to have been a part of the celebrations to mark 25 years of @QualityCouncil marking India's journey to self reliance. Highlighted how Quality is key to our growth & how customer focus, measurement & continuous improvement our key issues confronting organisations .



10:37 PM - 06/10/22

PADD_QCI @PADD_QCI

Proud to share that @UNFSS1, represented by members @UNCTAD & @UNIDO, participated in Panel Discussion during the Silver Jubilee Celebration of @QualityCouncil, highlighting the role of #VSS in driving #Quality & #sustainability.

Thank you for celebrating with us!

@RaviPSingh



United Nations Forum on Sustain... and 7 others

Invest Rajasthan @InvestRajasthan

Mr Adil Zainulbhai, Chairman, Quality Council of India, addressed the gathering at the MSME Conclave of the IR Summit 2022. #investrajasthan #IR2022 #committeddelivered #msme



Rajasthan should aim at becoming a trillion dollar economy in the next few years with at least 10 unicorns. g g

Mr ADIL ZAINULBHAII
Chairman
Quality Council of India


ZED MSME @ZEDMSME

Shri Adil Zainulbhai, Chairman QCI, talking about the role of ZED in building the competitiveness of MSMEs at the MSME conclave of Invest Rajasthan at Jaipur. #atmanirbharbharat #azadikaamritmahotsav #manufacturing #sdg13 #sustainabledevelopment #InvestRajasthan



QCI #qualitymatters @QualityCouncil

QCI powered session at 13th Biennial Agricorp Conference by the Bombay Chamber of Commerce & Industry (BCCI), Mumbai. Dr. Manish Pande, Director & Head, @PADD_QCI, spoke on Conformity Assessment Frameworks for Establishing Good Agriculture Practices in Agriculture Value Chains.



DARPG, Govt. of India @DARPG_GoI

#QCI Chairman Shri Adil Zainulbhai on #SwachhBharat #SpecialCampaign2.0 @PMOIndia @DrJitendraSingh @QualityCouncil @NBQP_QCI @PIB_India @swachhbharat



414 views

DoPT and 9 others

8:56 PM - 12/10/22

15 Likes 10 Retweets 1 Quote

DARPG, Govt. of India @DARPG_GoI

#QCI Chairman Shri Adil Zainulbhai and Secretary General Dr Ravi P Singh along with Joint Secretary @DARPG_GoI Smt Jaya Dubey participated in the files shredding drive for records management under #SpecialCampaign2.0 #SwachhBharat @PMOIndia @DrJitendraSingh @QualityCouncil



1,268 views

DARPG, Govt. of India @DARPG_GoI

The #DARPG welcomed Chairman #QCI for the #SpecialCampaign2.0 #SwachhBharat @DrJitendraSingh @QualityCouncil @swachhbharat



DoPT and 9 others

9:25 PM - 12/10/22

22 Likes 10 Retweets

QCI #qualitymatters @QualityCouncil

While addressing QCI Family, the new Chairman said the #GunnvattaSeAatmanirbharta campaign will be carried out by QCI in order to raise awareness about India's historic accomplishment & enlighten the general public about efforts being made to improve #quality of life. @RaviPSingh



PMO India and 6 others

10:26 PM - 21/10/22

Tweet your reply



Hum Banenge
MSME
Champion!



NAME OF THE SCHEME

MSME Sustainable (ZED) Certification, Ministry of MSME

- ZED showcased in "SANGAI FESTIVAL" held on November 19-21, 2022 at Imphal, Manipur
- ZED awareness session conducted for Schneider and Renault Nissan Automotive India PVT LTD vendors
- Shri Adil Zainulbhai, presenting ZED at Rajasthan Investment Summit at Jaipur
- ZED awareness Programs for DICs of various State Governments (Maharashtra, Madhya Pradesh, Rajasthan, Jharkhand, Nagaland, Gujarat and Punjab)
- ZED Certification Scheme showcased at Maharashtra MSME Sammelan, Mumbai
- ZED showcased at panel discussion on ZEE TV

NUMBERS AS ON DATE:

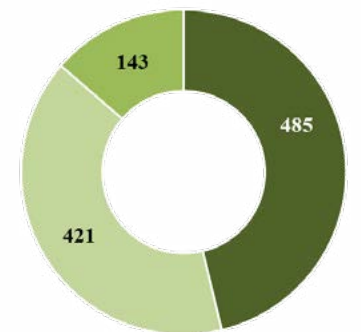
ZED Registered MSMEs:

24604 Micro: 20133,
Small: 3741
Medium: 730

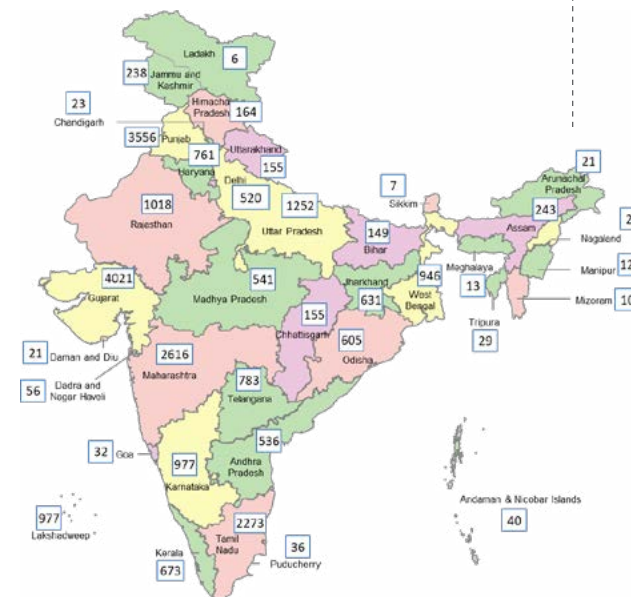
Certified MSMEs

1049 Bronze: 980
Silver: 38
Gold: 31

No. of ZED Certified MSMEs



■ Micro ■ Small ■ Medium



ZED Awareness Program Conducted

95 8000+ MSMEs Participated

Training Programs conducted for Consultants/ Assessors

10 230+ Professionals Trained

NAME OF THE PROJECT

Expanding and Revamping NIDHI & Star Classification System, Ministry of Tourism

- NIDHI 2.0 online system presented before Hon'ble Union Minister of Tourism, Shri G. Kishan Reddy
- Training session conducted for Central Government and States/UTs Government Tourism Department
- Awareness program conducted for members of Hotel Association of India (HAI), The Federation of Hotel & Restaurant Associations of India (FHRAI), Online Travel Aggregators (MakeMyTrip & Goibibo, Yatra, Cleartrip, EaseMyTrip and IRCTC)

Voluntary Certification Schemes
Projects
Ngcma Glp Cell
Participation In Key National and International Events



Project Analysis & Documentation (PAD) Division

Certification Schemes

Voluntary Certification Scheme for Traditional Community Healthcare Providers (VCSTCHP)

A total of 978 TCHPs certified under the Scheme till date.

AYUSH Mark Scheme

A total of 6032 products are certified under AYUSH Mark Scheme, out of which 3355 products are certified under Premium Mark and 2677 products are certified under Standard Mark till date.

Hygiene Rating Scheme (HRS) of FSSAI

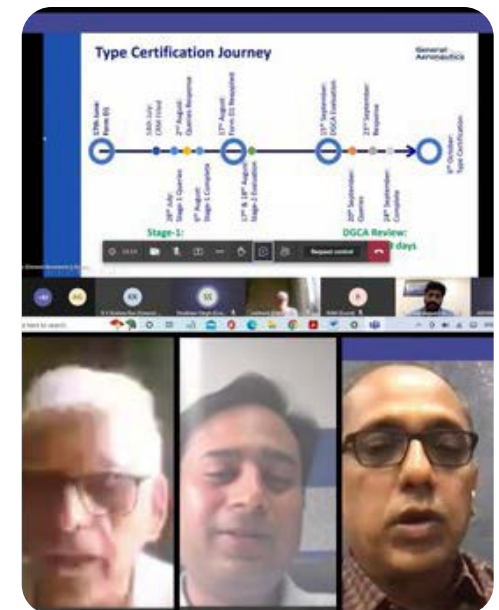
- QCI has recognized 31 HRAAs till date
- The recognised HRAAs are actively conducting HR audits under ERI initiative and approx. 26800 HR audits are registered

Certification Scheme for UAS (CSUAS)

- Presentation as a Speaker on 'Testing Facilities & Infrastructure' during 'Drone Manthan 2022, an event organised jointly by Indian Air Force (IAF) and the Drone Federation of India (DFI), on 3rd November 2022
- Updated GeM requirements for Drone Category meeting with GeM officials on 3rd November 2022
- Sensitisation Program for the Industry on 11th November 2022 (~80 participants from Industry)

to help drone manufacturers walk through the certification process during its bootstrap stage

- Total 7 Type Certificates issued under CSUAS
- CSUAS aspects presented by PADD representatives during the Session on 'Drones – Future Outlook' powered by QCI, in association with IndiAirport
- During session on 'Compliance Ecosystem for UAS' at event on 'Leveraging Emerging Technologies to promote Public Healthcare Services' hosted by NITI Aayog and World Economic Forum, CSUAS aspects presented by PADD



Sensitization Program conducted by PMU, CSUAS for drone manufacturers



Drone Manthan 2022



Session on 'Drones – Future Outlook' powered by QCI, in association with IndiAirport



Session of PADD in the event on drones hosted by World Economic Forum and NITI Aayog

IndG.A.P. Certification Scheme

- PADD representative invited to share insights on quality in spices through the IndG.A.P. Scheme during E-trading & Spice Sourcing Mela organised by the Spices Board
- In line with year 2023 designated as International Year of Millets (IYM) by the United Nations, 1st FPO for millet production in India (Kashimnagar FPC) certified to IndG.A.P.



First Millets FPO in Telangana certified under IndG.A.P.

Indian Certification for Medical Devices (ICMED) Scheme

- Documents of ICMED Plus Scheme, which was launched on June 18, 2021, revised in view of the current ecosystem
- 7th SC Meeting for ICMED held on 20th October 2022 where Chair, SC appreciated the robust design of the scheme



SC Meeting of ICMED

- First application for ICMED Plus received and is under process

Voluntary Certification Scheme for Medicinal Plant Produce (VCSMPP)

- Provisional approvals issued for Aditi Organic and TQCert

PROJECTS

Benchmarking IndG.A.P. to GlobalG.A.P.

- 10 IndG.A.P. certificates issued, thereby completing the phase - Implementation and Certification



Benchmarking Project TC Meeting

under the IndG.A.P. Benchmarking Project

- GlobalG.A.P. initiated independent technical review for benchmarking IndG.A.P.

Pilot Project on IndG.A.P. Certification of Spices

- Sh. Dean Kuriakose, Member of Parliament, awarded 5 IndG.A.P. certificates to projects under initiative executed on IndG.A.P. certification of spices
- Project has been completed and the project report has been submitted to the Spices Board

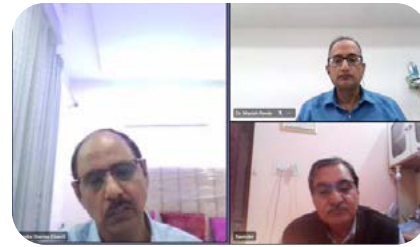


IndG.A.P. certificate distribution during E-trading & Spice Sourcing Mela by the Spices Board

VCSMPP | CB&S Project

- Total 69 trainings conducted pan-India in which 4226 attendees participated (in the reporting period 6 trainings conducted and 299 attendees participated)
- Demonstration plots in 12 locations established, out of which 2 demo plots have been certified and 10 are work in progress
- Total 62 PoPs accepted out of 140 species and 48 species are work in progress. 30 species submitted to NMPB for replacement (in the reporting period 2 accepted and 6 under review)
- PSC review meeting on CB&S VCSMPP was held on 17th October, 2022 where Chair, PSC, NMPB, complimented PADD for anchoring and making steadfast

progress towards milestones as per directions of NMPB



PSC Review meeting held with NMPB on CB&S-VCSMPP Project



Farmer's training workshop on VCSMPP by PADD at Manchiryal, Telangana on 18 Nov 2022

Research Study on Categorization of Work Areas and Competency Mapping of Traditional Craftsmen

- Various FGDs with traditional heritage building craftspersons on work such as red sandstone, marble, granite and limestone
- Key Informant interviews were conducted with stone artisans and lime and mortar artisans at Red Fort, Purana Qila and Adilabad Fort (Delhi)



Interaction with Assam artisans for the research study on traditional craftspersons of India

Accessibility Compliance Mapping and Ranking of Historical Monuments

- Pilots conducted for 10 monuments including- Red Fort and Bagh Caves, Taj Mahal and Hampi
- Review meeting held with ADG, Conservation at ASI who expressed satisfaction on the process



ASI Accessibility Mapping Project - Visit to Monuments

SDG Mapping and Impact Study of Trinitea - Phase II

- Phase II of SDG Mapping and Impact Study of Trinitea (one of the India's major tea smallholder support programmes developed jointly by Gopal Sustainability Organisation, Solidaridad and Indian Tea Association - the premier and the oldest organisation of tea producers in India) in process.



Meeting held with officials from Solidaridad to discuss the project on SDG Mapping and Impact Study of Trinitea

NGCMA GLP Cell

- Assisted a total of 13 GLP inspections in the reporting period (October to December 2022)
- 1 Sensitization workshop, 1 JCC (17 October 2022) and 2 TC meeting (28 September 2022 and 22 December 2022) organised during the period
- 3 Surveillance, 1 Surveillance cum extension in scope inspection, 1 pre inspection, 3 re-certification and 5 final inspections for GLP certification

Participation in key national and international events

UNFSS Academic Advisory Council (AAC) Meeting 2022

- Secretariat for the Indian Platform, PADD, was invited by UNFSS for Brussels Dialogue on Sustainable Trade & Voluntary Sustainability Standards (VSS). Dr. Manish Pande, Head, PADD, interacted with Mr. Ralf Peters and Mr. Santiago, Chief VSS Platform, during the launch of 5th Flagship Report
- PADD participated in Panel 1 on VSS design: Strengths and Weaknesses. SWOT Analysis of VSS was a part of the AAC meeting
- Mr. Santiago presented memento as a token of appreciation to Dr. Ravi P. Singh, SG, QCI at AAC, Brussels, for his dynamic leadership on the occasion of QCI's Silver Jubilee

and for highlighting PADD team's work, furthering the collaboration between UNCTAD-UNFSS and QCI



Views by PADD on SWOT Analysis of VSS during Brussels Dialogue on Sustainable Trade & VSS



Memento presented by UNCTAD as a token of appreciation to SG, QCI

India International Small Tea Growers Convention 2022

PADD was invited for the India International Small Tea Growers Convention 2022. Dr. Manish Pande highlighted PADD's project on SDG Mapping and Impact Study of Trinitea and the possibility of dovetailing IndG.A.P. to Trinitea, steered by ITA, to introduce GAP and achieve SDGs.



PADD shared views on SDG Mapping and IndG.A.P. during India International Small Tea Growers Convention 2022

7th National Standards Conclave

- Dr. Manish Pande presented initiatives of PADD focused towards benchmarking, SDG Mapping and impact study, to drive industry preparedness on sustainability in 7th National Standards Conclave organised by Department of Commerce, CII and QCI.



Views by PADD on SDG Mapping Project during National Standards Conclave

Anufood India Conference

- PADD participated in QCI-powered session during Anufood India Conference wherein Dr. Manish Pande, QCI, spoke on 'Leveraging Conformity Assessment Frameworks for ensuring food safety from Farm to Fork'.



PADD participated in QCI-powered session during Anufood India Conference

World Ayurveda Congress

- Participation of delegates from PADD in International Seminar on Medicinal Plants during World Ayurveda Congress held at Goa as Speakers on Marketability and Sustainability through certification emphasising on role of VCSMPP and VCSTCHP.



Participation of PADD in Ayurveda Day organised by the Ministry of AYUSH

National Conference on Business and Sustainability

- Dr. Manish Pande addressed the Keynote Session during National Conference on Business Sustainability and SDGs, alongside Mr. Ashok Pavadia, Former Additional Secretary, Government of India. He reiterated how SDG Mapping and Impact Study by PADD anchors sustainability.



Views by PADD on SDG Mapping during National Conference on Business Sustainability and SDGs

13th Biennial Agricorp Conference

- Dr. Manish Pande from PADD, QCI shared his views on 'Conformity Assessment Frameworks for Establishing Good Agriculture Practices in Agriculture Value Chains' in the QCI powered session at 13th Biennial Agricorp Conference by the Bombay Chamber of Commerce & Industry (BCCI), Mumbai.



QCI powered session at 13th Biennial Agricorp Conference

International Herbal Fair 2022

- Dr. Manish Pande delivered a session during International Conference on MFP for self-reliance at International Herbal Fair 2022 (Lal Ground, Bhopal) focusing on key schemes of PADD like VCSMPP, IndG.A.P., VCSTCHP. Themes emphasised - preservation of lokswasthyaparampara, vanaranya etc.



Views by PADD during International Herbal Fair 2022



The division has mandate to explore Research and Capacity Building activities in the frontier areas relevant to the organizational mission.



Project Planning and Implementation Division (PPID)

National Highways Excellence Awards 2022

After four successful NHEA cycles (2018–2021), QCI has been entrusted again by the Ministry of Road Transport and Highways (MoRTH) to conduct the fifth cycle of NHEA. The awards recognise companies performing exceptionally and delivering the finest quality services in the construction and management of national highways.

A robust process has been created by QCI to assess every application, comprising three assessment stages: Desktop Assessment (document review), Field Assessment (field visit), and Jury Review. At each stage, every application is assessed by the sector experts of QCI and MoRTH officials, leading to transparency in the system to identify the best.

As of now, NHEA 2022 is in the last stage of assessment, where the final round



of applications will be reviewed by the jury to finalise the winners, and the announcement of the same shall take place in February, tentatively.

NPMPF-NICPP

National Institute for Chartered Program/ Project Professionals (NICPP) is being set up under QCI along the lines of ICAI to act as the premier institute for training, certification, and development in and of Program & Project Management in India. It will act as a nodal body for Program/ Project Managers in India for promoting and housing the profession of Program/ Project Management in the country. NICPP shall help to institutionalise program/project management practices and professions in the country to reduce overruns and bring efficiency to large-scale PPP/public sector infrastructure projects by:

- **Developing the Indian Infrastructure Body of Knowledge (InBoK)**, which shall be a comprehensive guidebook for the implementation of programs and execution of constituent projects;
- Developing online **InBoK-based training modules** and maintaining the required IT-based systems;
- **Conducting examinations and issuing certificates** by defining levels of certification, eligibility criteria, and a competence framework;
- **Awareness & Capability Development Program** by developing a modular Mini-InBoK, conducting awareness programmes and events for the adoption of program/project management and capsule training for government and PSEs

Beta Launch of NICPP

For testing the NICPP systems, a beta has launched on November 1, 2022, for levels 0, 1, and 2, was open to the general public for training and certification. A total of 160+ registrations have been made on the NICPP exam portal so far.

Third-Party Evaluation Of Trainees And Their Employment Data (2019-2020) Placed Under Human Resource Development (HRD) Sub-Scheme Of Indian Leather Footwear And Accessories Development Programme (IFLADP) 2017-2020

DPIIT nominated QCI to verify the training and employment data placed against the Primary Skill Development



Program under the HRD sub-scheme of the Indian Footwear, Leather & Accessories Development Programme (IFLADP) for the AY 2019-20, through (i) the verification of training imparted for the basic cutting and closing operators training, (ii) the verification of scholarship/stipend granted to trainees after successful completion of training, and (iii) the verification of employment records post-training by the trainees.

QCI completed its verification assessment for the training provided by the Central Footwear Training Institute (CFTI) in Agra in December 2022, and the assessment for the CFTI in Chennai shall begin in January 2023.

Study of 43 Organisations and Central Sector Schemes Under MoC

The Ministry of Culture collaborated with QCI to review the functioning of

all its agencies and organisations and streamline all the central sector schemes under its purview as per the Government of India's aspirations.

A kick-off meeting to start the project was held at Vigyan Bhawan, Delhi to bring together the heads of all 43 organisations and seek their co-operation on the study. The team has reviewed and summarised all previous committee reports, actions taken, and responses from the government. Following this, the Chairman and team have started preliminary deliberations with all Delhi-based organisations, such as the Archaeological Survey of India, the National Archives, etc., and the first round of consultations has been done with all the Joint Secretaries at MoC. The team is also visiting cultural organisations in West Bengal, Assam, Rajasthan, Nagaland, Arunachal Pradesh, Uttar Pradesh, etc. to get a deeper understanding of the on-ground situation. The team has also compiled a comprehensive compendium of 30+ case examples (success stories from around the world) and a deep analysis of India's sector spending on culture (public, private, and household). At present, the team is developing a grading framework for autonomous organisations and culture organisations to conduct a baseline ranking of their performance.

Additionally, the team has also drafted the vision document for the Ministry of Culture which shall be institutionalised as a guiding pillar for the ministry for the next 25 years.





The division has mandate to explore research and capacity building activities in the frontier areas in order to meet the goal of organization in the quality improvement initiatives covering each domain of human life.

i

Research Analysis and Capacity Building (RACB) Division

Indo-U.S. Science & Technology Forum (IUSSTF) Programme Impact Evaluation

The IUSSTF, a bilateral, autonomous organization, was established by the Governments of India and the United States of America in 2000. IUSSTF's mission is to "act as a catalyst to promote long-term scientific collaborations between India and the U.S. through partnerships amongst individual scientists, scientific institutions and the scientific community at large."



Interaction with Principal Investigators (PIs) to have their feedback about the scientific research program portfolios

This prestigious project is awarded to the division by IUSSTF. The main aim of the proposal has been attributed to carry out the impact analysis of IUSSTF's programmatic portfolios. The analysis included evaluation of research projects/fellowships/collaborative R&D tie ups/scientific exchange programs/innovations.

The division interacted with eminent Indian & US Principal Investigators to evaluate the impact of the programs on scientific and technology-driven exercise of both the countries.

The final report has been prepared based on the feedback and suggestions

received from Principal Investigators (PIs). Both digital and hard copies of the report have been submitted to IUSSTF for their final feedback acceptance. The reports have been accepted by the IUSSTF for both scientific portfolios viz. virtual network centres and workshops.

Promotion of R&D Activities at I.K. Gujral Punjab Technical University (PTU) Kapurthala

In accordance with MoU signed between PTU & QCI, RACB has taken the mandate to support PTU in establishing a R&D ecosystem at the university and associated institutes.

RACB Division has submitted a detailed proposal to PTU, in terms of future steps required to be taken to further improve their R&D capabilities.

The Division has also developed documents having prospective scientific and technical areas as well as R&D presentation to further discuss with PTU once they decide full course of action.

Indian Institute of Technology, Banaras Hindu University

As ongoing activity on development of proposal includes:

- Impact Assessment of Academic departments of IIT BHU
- Research Impact and Outcome of Project investigated in IIT BHU
- Assessment & Evaluation of Central Instrumentation Facility (CIF)

The Division has developed proposals on Impact evaluation and review of performing & non-performing departments. The discussion is on-going with IIT BHU. RACB-QCI is planning to have a meeting at IIT BHU along with proposals.

Access to Knowledge for technology development and dissemination (a2k+)

- The proposal has been technically accepted by DSIR. On-line presentation on technical aspects of the proposal has been delivered on 1st Nov. 2022.

The Division reviewed a number of research papers and monographs submitted to QCI for its 25th silver jubilee celebration. The detailed report was prepared and submitted. An award ceremony was conducted during the event, to facilitate the winners.

The Division technically evaluated quality improvement initiative program of NBQP which is promoted to attract industries in order to improve the quality of their commercial products as well as to inculcate new dimension in invention related program.

The Division evaluated several Kaizen and Invention-Centric projects of industries. The report has been submitted to the Board, meeting the deadline as requested.

An invited lecture entitled evaluation of research programs to ensure quality was delivered on 24th December during the International Conference on Advanced Materials and Nanotechnology 2022.



E-LEARNING



Carrying on with Classroom and Virtual Trainings

In this Quarter, TCB continued offering customised and exclusive classroom trainings and virtual trainings. TCB, eQuest trained about 650 professionals on various accreditation and certification standards like ISO/IEC 17025:2017 for Testing & Calibration Laboratories, ISO 15189:2012 for Medical Laboratories, ISO/IEC 17065:2012 for Product Certification Bodies etc. Furthermore, 7th batch of Instructor-led-training on Lean Six Sigma Green belt under the domain of general management was also carried out.

Moreover, in this Quarter, around 850 learners registered with eQuest, eLearning courses to upgrade and reskill the existing skill-sets to increase their chances to rise and shine.

TCB carried out the following exclusive Trainings-

- **Organised training for Community level in the Cold Desert of India- UT of Ladakh**



DC Leh attends ongoing 4-day Residential Training of Community Level (L-3) on JJM

Leh, Nov 2: Deputy Commissioner, Leh, Mr. Hardeep Singh, attended Day 2 of the ongoing 4-day Residential Training of Community Level (L-3) on Jal Jeevan Mission, organised by the Quality Council of India in Leh. The community level (L-3) stakeholders include the Panchayat Raj Institutions, Gram Panchayats, Sarpanches, Panchs, and Panchayat Secretaries, who are also the members of Village Water and Sanitation Committees (VWSC) and Prast. The training was held at the Leh Sheraton. The Deputy Commissioner highlighted the major role played by the stakeholders, including the PFIAs, Panchayats, and Prast, in the JJM scheme and emphasised on community ownership and awareness.



As the Key Resource Centre (KRC) for Jal Jeevan Mission (JJM), TCB conducted two 4-day residential training for the participants of Level-3 (community level) in the districts of Leh in the month of November. A total number of 147 participants attended these programs. The aim of these trainings was to transform the drinking water supply sector through capacity building initiatives

such as dissemination of knowledge, development of educational materials, documentation of best practices, etc. These trainings also included, visit to villages for an application and experiential-based learning.

- **Moreover, the final Level -2 training for the year 2022 was conducted in the month of October at Hamirpur, Himachal Pradesh, for the officials in various capacities of middle -management level working with PHED Himachal Pradesh.**



- **Conducted on-site training for DGQA officials at their headquarters in New Delhi, on ISO / IEC 17021-1:2015 (conformity assessment – requirements for bodies providing audit & certification of management system) to prepare DGQA organization as an auditing & certifying body**

- Organised a 5-day training on 'Water Testing/Theoretical and Practical Demonstrations' for the state of Ladakh, in Leh, from 4-8 October 2022.



- Organized and administered 2 webinars under Swachta Pakhwada; Zero Waste Management Series on Talk on Sustainability through Plants and its waste and on Tackling e-waste at the consumer level for the QCI professionals.

- Jointly, with NABH, TCB organised a hands-on-training on "Basic Life Support" for the non-medical officials of QCI to improve the emergency services like managing critical emergencies such as cardiac arrest, obstructed airways, burns etc. This unique training was well received by the participants.

Collaboration with Universities to make Youth Capable

- Officials of TCB visited ICFAI, Dehradun, to extend the present MoU signed between QCI and them. Both the parties have joined hands to enhance the capacity building of the students at their university by including eQuest's courses in the curriculum of their students.



- Under the MoU signed between GLA, Mathura and QCI, a guest session on Awareness program on Industry 4.0 for the students of MBA was organized.



TCB's reach across continents

- Director TCB attended the final Workshop on SAARC-PTB cooperation on quality infrastructure, scheduled from 11-12 October 2022 in Kathmandu, Nepal. The workshop focused on the achievements and lessons learned from the project, as well as the needs and potential for further capacity development through regional collaborations. TCB has given its commitment to the continuous provision of training and capacity-building activities and has offered to handhold and provide technical guidance to CABs in the region.



- TCB officials were invited to visit Leuven, Belgium to attend the UNFSS Academic Advisory Council meeting to understand the importance, relevance, and approaches in how the capacity building of different stakeholders in the value chain can increase the uptake of VSS.

- TCB also conducted a 2-day training on 'ISO/IEC 17025:2017: Interpretation and Best Practices of Implementation' at the Gulf Chemistry Association International Conference and Exhibition (GCA 2022), from 13th-14th November 2022 at the Kingdom of Bahrain.



- For the World Bank sponsored project, various Training and Capacity Building activities are being conducted by Quality Council of India (QCI), jointly by TCB and NABCB under the twinning arrangement with the Ministry of Trade and Industry, Ethiopia, for expanding the accreditation scope of Ethiopia Accreditation Service (EAS), formerly ENAO. Head of TCB with a team of experts visited ENAO for conducting the mentoring the Calibration Laboratory Assessor.

Championing Ideas of Quality at National Events

- TCB Director and Head, delivered a talk on 'Quality Infrastructure - CABs, International Framework', at the JMC Projects (India) Limited's Quality Month Celebration on 25th November 2022.

In-house Articles

Quality Council of India (QCI)

qualitycouncilofindia

@QualityCouncil

@QualityCouncilofIndia

@QualityCouncilofIndia

India's Tryst with G20 Presidency

OPPORTUNE TIME TO CREATE QUALITY MOVEMENT RIPPLES!



Reeti Mahobe | Associate Manager, QCI

As on 1st December 2022, as India formally took over the G20 presidency, intense planning across varied sectors began to make a formidable mark. India's G20 presidency comes out as a watershed event to bring in the rich and vibrant culture and ethos of India across the globe.

With over 200 meetings planned in 32 different sectors at multiple locations across India, it would surely act as a strong forum for G20 member countries to come together for driving growth, remapping development plans, prioritize multilateralism and thereby also boost the efforts towards achieving Sustainable Development Goals. India has taken steps in the right direction of hosting visits to heritage monuments for G20 delegates to showcase the rich cultural and architectural wealth of the country ripping through centuries old timelines.

Our G20 presidency is moving ahead with the intent to promote universal sense of one-ness which also defines the theme adopted,

that is, 'One Earth, One Family and One Future'. The theme adopted is inspired from cardinal philosophy of India – 'Vasudhaiv Kutumbkam'.



<https://pib.gov.in/PressReleasePage.aspx?PRID=1874511>
<https://www.narendramodi.in/today-india-commences-its-g20-presidency--566168>
<https://travel.economicstimes.indiatimes.com/news/ministry/indias-g20-presidency-a-golden-opportunity-to-showcase-cultural-offerings-to-tourists-prahlad-singh-patel/95528080>



This underlines that the greatest challenges we face today – climate change, pandemics and terrorism require coordinated and collaborative efforts by nations of the world. In dedicated government’s portal, India has highlighted the efforts being undertaken in multiple sectors such as women-led development, culture, agriculture, SDGs, trade and investment, multilateral reforms, start-ups, education & skilling, tourism, financial inclusion and anti-corruption along with a roadmap for Greener India. It also presents some of the impactful contributions in the identified sectors such as India’s ODF campaign as part of Sanitation revolution, in the field of agriculture – the initiatives undertaken for sustainable agriculture such as Zero Budget Natural Farming, Soil Health Card Scheme and so forth. The coverage significantly highlights the comprehensive outlook towards future of humanity in general.

In this pursuit, we have the golden chance to showcase our commitment towards quality in different realms. Adherence to quality standards acceptable at global level have the potential to impact every niche sector affirmatively in terms of trade both

domestic and international, firm standing in areas of human rights and environment, advanced technology trends including AI, blockchain and Big Data as well as the pillars of social infrastructure viz., health and education. In majority of these areas, Quality Council of India is playing a pivotal role by driving quality movement in steady manner.

During a FICCI event ‘Virasat’, Union Minister of State for Food Processing Industries and Jal Shakti stated that it is our responsibility to provide superlative services so that the tourists can take good memories and messages back home. This reiterates that conforming to highest quality standards in different domains would establish ‘Brand India’ like never before in the global market. In the recently concluded meeting of Development Working Group, India’s enhanced focus on SDG 12 that corresponds to responsible consumption and production was commended upon and the avenues for smoother integration between theory and practice and incentivization for shifts in this area were emphasized upon.

The year shall be best remembered when we present to the world, with

key focus on Global South, the replicable models of governance and strategic pathways in the most pressing areas. The digital solutions in the areas of financial inclusion in the form of Uniform Payments Interface (UPI), popularly called by its acronym, UPI have been one of the most talked about innovation. It is worth noting here that the RBI expects UPI payments to comprise 8% of India’s total GDP in 2025. Such widely accepted innovations could definitely be a signpost in this regard. Creating and presenting action-oriented and outcome-focused products in the larger domain of sustainability wherein the globe is still exploring the answer to the looming crises of climate change while keeping the focus on closely intertwined development agendas of health and gender equity and education could further define our leadership in the discourse.

It thus becomes not just the government’s responsibility but ours too to contribute our bit in defining and redefining our image as believers in the strong ideals of peace and harmony in an inter-connected global economy while keeping the growth momentum high and equitable.

Menstrual Hygiene

A MATTER OF CONCERN

////// Aakriti Singh | Co-ordinator, QCI



In India, when a newborn comes into the world, especially a girl, she is welcomed with a tag that directly links her to Goddess Lakshmi. But the irony is when girls hit puberty and start chumming (menstrual cycle) she is not allowed to enter the temples and worship the Goddess to whom she was linked earlier.

Well, this is India and the taboos regarding menstrual cycles are like preconceived notions that have settled in the minds of people. To break these taboos the first and foremost thing to be done is to educate people, especially in rural areas as they have very constrained thought processes. According to the people living in villages, the experience of menstruators continues to be constrained by cultural taboos and discriminatory social norms. In remote areas and villages, women are less or not at all educated. Unlike

girls and women in the urban areas women in rural areas don’t even know about sanitary napkins, tampons, and other things used during menstrual cycles. Just like technology keeps on changing now and then, the medical world is also evolving and changing at a very fast pace, but this does not apply in rural areas.

Women in villages and remote areas are not conscious of the use and benefits of sanitary napkins. They use cloth, dirty rags, leaves, sand, and ash, which is not at all safe and increase the risk of infection and other dangerous diseases. Using unsterilized cloth and other practices make women susceptible to fungal or bacterial infections of the reproductive tract and the urinary tract. Also, poor menstrual hygiene poses serious health risks, which can result in future infertility and birth complications. The more we talk about this topic, the more never-ending it becomes. Just talking about this topic will take us nowhere. We need to identify the problem and find an authentic solution for it.

why they bleed for a week every month and how to handle periods while keeping their hygiene in mind. Talking to ladies about these things in the village and remote areas is very difficult because people there are very narrow-minded. Keeping this in mind, the only options that could come to the rescue are focused group discussions and on-ground awareness campaigns. More and more female staff should be deployed in villages and remote areas who can break the of hesitation and talk to young girls and women and can further educate them about menstruation and other subjects associated with it. As it is said that a girl can understand another girl better, in this context female members of Government departments and NGOs should actively participate in on-ground campaigns and focused group discussions and educate young girls and women about not using cloth rather than insist them switch over to sanitary napkins, adopt hand washing habits before and after use of sanitary napkins, tell them in detail about how and when to change the pads, how to dispose of the pads, how many times should the intimate area be washed and cleaned to avoid bacteria multiplication and lots more.

We can bring big changes by taking small steps in our daily lives. There are few NGOs that are doing exceedingly well for the upliftment of women in rural areas along with educating them about menstruation and hygiene. We have Sachhi Saheli which is a Delhi based NGO that works with the vision of making the world free of taboos and stigmas so that women can achieve



It is the need of the hour to raise awareness about mensuration and the subjects associated with it so that it is considered something very normal and natural rather than being something to be hidden or ashamed of. It is very important for the girls to be taught

<https://indianexpress.com/article/business/dwg-talks-under-indias-g20-presidency-conclude-8327174/>
<https://newsonair.com/2022/07/01/the-rise-of-upi-empire-as-india-leads-digital-payments/>

They have undertaken major initiatives like:

We have Goonj, Pad and Prejudice, Jatan Sansthan, and many other NGOs working on Menstrual Hygiene Management.

everything with their fullest potential. This NGO has come up with very innovative ideas.

Many surveys and reports prove that despite taking so much efforts, the problem of following proper menstrual hygiene management remains the same in some states, while in other states the results are exceptionally well. According to a survey conducted on 27th May 2022, states like Bihar, Madhya Pradesh, and Meghalaya were the states with the lowest percentage of women using hygienic methods of menstrual protection. On the other hand, southern states and UTs like Tamil Nadu, Puducherry, Andaman and Nicobar Islands were the best-performing states.

Menstrual Health and Awareness Day (India)

Celebrating such a day it will help in normalizing the conversations around Menstruation and will consequently help eradicate these stigmas from the society.

Menstrual Cafe

Under this initiative, people of NGO come together with other people to create a safe and frank space for conversations on sensitive topics like menstruation, and the sexual & reproductive health of women, etc.

Period Fest and Pad Yatra

This fest is the first of its kind, and the main aim is to spread the message "All Days Are Good Days".

Mahawari Bhojan

This initiative breaks the taboo that women can't cook food during their periods. During this fest, 300 people from all walks of life ate delicacies cooked by women who had their periods on.

5 P Pouch

This initiative focuses on the distribution of pouches that has a pad, panty, paper, paper bag, and paper soap. These pouches were distributed to school and college-going girls, teachers, and parents to promote proper period hygiene management.

India is a developing country, and things are changing rapidly but still there are few things that have settled deep down in the minds of people, especially in the rural areas. Till today mothers are reluctant to talk to their daughters about menstruation as there still prevails shyness and a lack of knowledge about scientific terms related to menstruation. This lack of knowledge gives birth to a number of myths that prevail till date. Health Ministry and NGOs have done a commendable job in rural areas by providing a pack of 6 pads at just Rs 6, involving more and more ASHA workers in the process of spreading awareness and imparting education to girls in rural areas. Steps taken by Government and NGOs will not be effective until and unless people change their thought process, because a positive mind understands things better.

Harnessing the Power of Clean Energy

HOW EV START-UPS COULD TRANSFORM THE WAY INDIA COMMUTES



////// Ashutosh Kumar | Associate Manager, QCI

Electric Vehicles (EVs) have gained significant attention in recent years as a clean and sustainable alternative to traditional fossil fuel-powered vehicles. The adoption of EVs could potentially transform the way India commutes, reducing reliance on fossil fuels and contributing to the country's efforts to combat climate change.

Entrepreneurship (MSDE), the EV industry could add 10 million direct jobs by 2030 which would create 50 million indirect jobs in the sector. Several automobile companies have plans to participate in the EV industry as listed in the below:

The future of mobility is electric. Electric Vehicles (EVs) are quickly becoming the transport option of choice for individuals, businesses, and governments around the world. As the technology matures and more start-ups enter the market, EVs are poised to revolutionize how people get from point A to B in a clean and efficient manner.

India is the third largest emitter of greenhouse gases in the world, with a significant portion of these emissions coming from the transportation sector. The adoption of EVs could play a crucial role in reducing these emissions and improving air quality in the country.

The Indian government has recognized the potential of EVs and has taken several steps to promote their adoption. According to the Ministry of Skill Development and

FAME India Scheme

PLI Scheme

Battery Swapping Policy

Tax Exemption

Reduction of Custom Duty

Reduction of Road Tax



With the right policies and support, India has the potential to become a leader in the global transition to clean energy.

EVs have several advantages over traditional Internal Combustion Engine (ICE) vehicles:



Cost

EVs generally have lower operating costs than ICE vehicles, as they do not require gasoline and have fewer moving parts that need maintenance. This can result in significant cost savings over the lifetime of the vehicle



Environmental Impact

EVs produce zero emissions, making them a clean and sustainable transportation option. This is especially important in urban areas, where air pollution is a major concern



Performance

Many EVs offer high levels of performance, with quick acceleration and smooth, quiet operation. In addition, advances in battery technology have resulted in longer driving ranges for many EVs, making them a practical choice for long-distance travel



Energy Efficiency

EVs are much more energy efficient than ICE vehicles, as they convert a higher percentage of the energy stored in their batteries into power for the vehicle. This means that EVs can go further on the same amount of energy as an ICE vehicle



Government Incentives

In many countries, including India, the government provides financial incentives to encourage the adoption of EVs, including tax credits and grants for the installation of charging infrastructure

to install charging stations in public places, such as shopping centres and office buildings, making it easier for EV owners to charge their vehicles while on the go.

Start-ups are also working on developing new technologies to improve the performance and range of EVs. For example, some companies are focusing on developing advanced battery technologies that can extend the driving range of EVs, while others are working on developing new types of electric motors that are more efficient and reliable.

In addition to these technological innovations, start-ups are also helping to educate the public about the benefits of EVs and dispel any myths or misconceptions about their performance and reliability. Many of these companies are working with the government and other stakeholders to promote the adoption of EVs and develop policies that support the growth of the EV market in India.

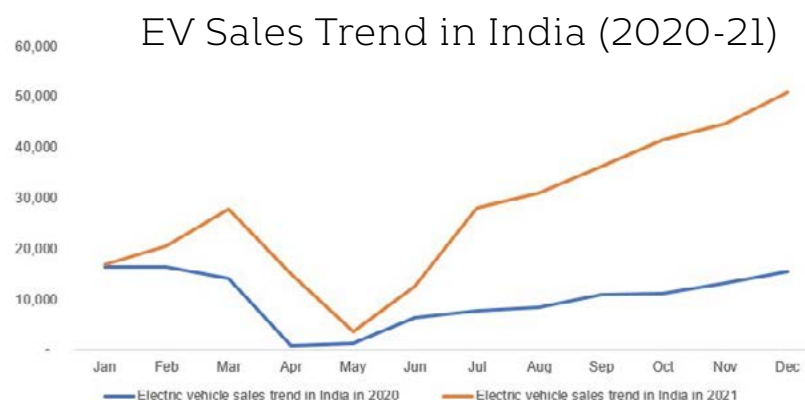
Electric Vehicles are set to revolutionize the concept of mobility in transport worldwide. In recent times, we have witnessed a huge surge in the number of start-ups venturing into the EV space and their success stories inspire more entrepreneurs' every day.

Shashi Pathak, Founder, Future Garages, an electric motorcycle start-up based out of New Delhi, highlighted more intricate details on how start-ups are preparing to fight carbon emissions. He said, "It is difficult to predict the exact future of Electric Vehicles, as it will depend on a variety of factors such as technological developments, consumer demand, and policy decisions. However, it is likely that EVs will play an increasingly important role in the global transportation sector in the coming years. With our ongoing technological developments in the field of electric transportation, we are sure it could make EVs more efficient, affordable, and appealing to consumers."

The potential for EVs is immense. The global Electric Vehicle market is estimated to reach over \$1 trillion by 2030 and major automotive companies are already investing heavily in making this dream a reality. Furthermore, leading countries around the world have set ambitious targets for transitioning to Electric Vehicles within their borders, creating an opportunity for entrepreneurs everywhere to make an impact on the future of mobility.

The shift towards cleaner energy sources has been accelerated by evolutions in technology and infrastructure, making it easier than ever before for people to switch from traditional gas-based cars to EVs. The development of EV technology shows no signs of slowing down either; research into new battery technologies continues apace, and there's plenty of room for innovation when it comes to autonomous features and other features that will take this mode of transport into the future.

EVs offer a number of benefits over traditional ICE vehicles, including lower operating costs, a smaller environmental impact, and improved performance and energy efficiency.



Source: EV Reporter

Overall, EVs offer a number of benefits over traditional ICE vehicles, including lower operating costs, a smaller environmental impact, and improved performance and energy efficiency.

Start-ups in India are playing a crucial role in promoting the adoption of Electric Vehicles (EVs) in the country. These companies are developing innovative products and services that aim to make EVs more accessible and convenient for consumers.

One of the ways start-ups are promoting the adoption of EVs is by developing charging infrastructure. Many of these companies are working

Key highlights of the year 2022

\$673 Mn
Funding in 2022 so far

04
Soonicorns

Start-ups pose big
Challenge to Corporates
in two-wheeler EV sales

EV saw less
layoffs
than other segments

Bengaluru and Delhi-NCR
become Top Hub for EV start-ups

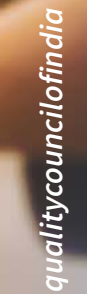
Conclusion

Electric Vehicles are the future of mobility. They are affordable, easy to maintain and have a significantly reduced environmental impact compared to traditional petrol and diesel cars. With more governments investing in infrastructure and incentives for Electric Vehicles, the cost of ownership is becoming increasingly competitive. This, combined with advances in battery technology, will soon make Electric Vehicles the most attractive option for drivers around the world. The transition to EVs is well underway, and it's an exciting time for those who embrace this change.

Members/ Guests Write



Quality Council of India (QCI)



qualitycouncilofindia



@QualityCouncil



@QualityCouncilofindia



Training Indian Gen Z in the Era of Generative AI and Industry 4.0

Col. Rajiv Bhargava | Senior Associate Director, MIGM, ISB



As the world increasingly relies on technology, the next generation needs to be equipped with the skills and knowledge necessary to thrive in this rapidly changing



environment. In particular, the rise of generative artificial intelligence (AI) and Industry 4.0 presents unique challenges and opportunities for Generation Z in India.

One of the critical challenges of such technologies is that it has the potential to disrupt

traditional industries and ways of working. It means that it is essential for young people in India to be trained in new, in-demand skills that will allow them to adapt to these changes and compete in the job market. It might include training in data science, machine learning, and programming.

Zoomers and their role in Indian Society

Zoomers, also Generation Z or Gen Z, are those born between 1997 and 2010. Gen Z is estimated to count 470 million individuals in India alone. The cohort is often from nuclear families and having been born in the age of rapid advances in computers and smartphones; they are thus more digitally savvy than the previous generations. The generation will take the lead in the times to come. Internet is part of their DNA, impacting their

education, culture and socialising. Many of them are used to working from home and consider flexibility at the workplace to be a major draw.

Their mastery of technologies may make them neglect their interpersonal relationships to a greater extent. Yet, they are overtly sensitive to social media and, more likely than not, will voice their indignations on the Internet. Having limited patience, they are used to obtaining everything they want immediately. Their world comprises Instagram, Tic Toc and Youtube, each influencing their lifestyle.

The unique characteristics of Gen Z compel a more structured approach to their training. Technical skill training is a must, but there is a need to focus on many other aspects for developing managerial competency.

Understanding Generative AI

Generative AI is a type of AI that can generate new content or data. It can include unique content from bots like ChatGPT, images,

music, or other media types. There are several approaches to building generative AI systems, including neural networks, evolutionary algorithms, and rule-based systems. We can use Generative AI systems for many applications, including creating new content for websites and social media, generating design ideas, and even making new scientific discoveries.

Understanding Industry 4.0

Industry 4.0 involves a set of smart sensors on the shop floor that allow real-time data collection. It includes pervasive broadband for inter-communication between machines, people and production sites; cloud computing to enable instant storage and big data analysis to make sense of the vast volumes of data. Companies will have to develop core managerial competencies to simplify the complex manufacturing processes employing such technology.

Training of Zoomers for Industry 4.0 and Generative AI

One key aspect of training for regenerative AI is the need for interest and a strong foundation in STEM (science, technology, engineering, and mathematics). These subjects provide the necessary competence to work with AI systems and a technology-enabled shop floor.

Training the managerial force will also involve developing technical, administrative and social competencies. While the technical aptitudes comprising job-related knowledge will remain relevant, the organisational and social competencies encompassing problem-solving, decision-making, social values and motivation will have priority. The zoomers will be the trump cards in the digital transformation that the workforce will require, and the business leaders who want to succeed in adapting to Industry 4.0 must understand the uniquely inspired cohort.

An average Zoomer, having been born with a smartphone in hand, is obsessed with technology and adept at self-learning through MOOC (Massive Online Open Courses). The skilling of zoomers in the future business environment needs to be oriented towards managerial and social skills. A few skills that will need to be addressed are:

Critical Thinking and Problem-solving Skills

AI systems are designed to be able to analyse and process large amounts of data, but they still rely on human input and oversight to make decisions and solve complex problems. Therefore, young people must be taught to think critically and creatively and to approach problems with a logical and analytical mindset.

Motivation and Social Skills

The Zoomers focus on personal development and thus cherish knowledge of social values and motivations. Such training will channelise their creativity in the desired direction

Management of Conflict

Lack of sensitivity and respect will undermine engagement at all levels. A basic form of training will be 'conflict management' to build respectful relationships across the organisation. 'Change Management' and 'Managing Teams' would be equally essential topics

Decision-Making Skills

Technology today is inherently dynamic and demands quick decisions under changing circumstances. The Zoomers will have to think on their feet to maintain a competitive advantage over others

Innovation Management and Creativity

Millennials have proactive behaviour toward creativity and openness toward new opportunities. Learning Innovation Management will align well with their constant need to stay relevant

Mentored Programs with Senior Faculty

The millennials often belong to nuclear families and miss the mentorships available in traditional

joint family systems. They look to mentors within organisations to help them chart their path in the corporate structure. Business leaders can leverage the situation by encouraging project-based training for AI

Job Opportunities in the New Era

There are many job opportunities related to generative AI and Industry 4.0. Some examples of roles that may be of interest include:

Data Scientists: These professionals use statistical and machine learning techniques to analyse and interpret large datasets. They may be involved in developing and implementing generative AI systems and using them to analyse data and extract insights.

Machine Learning Engineers: These professionals design and develop machine learning models and algorithms, and work to integrate these models into business processes and systems. They may be involved in building and implementing generative AI systems.

AI Researchers: These professionals conduct research in artificial intelligence, including developing and testing new algorithms and approaches to AI. They may work on a wide range of projects, including those related to generative AI.

Technical Trainers: These professionals design technical training programmes according to requirements and determine course content/ curriculum according to objectives. It is expected that such people will know multiple programming languages (e.g. C#, Java, Python), and experience in Competitive Programming (Problem Solving and Data Structures)

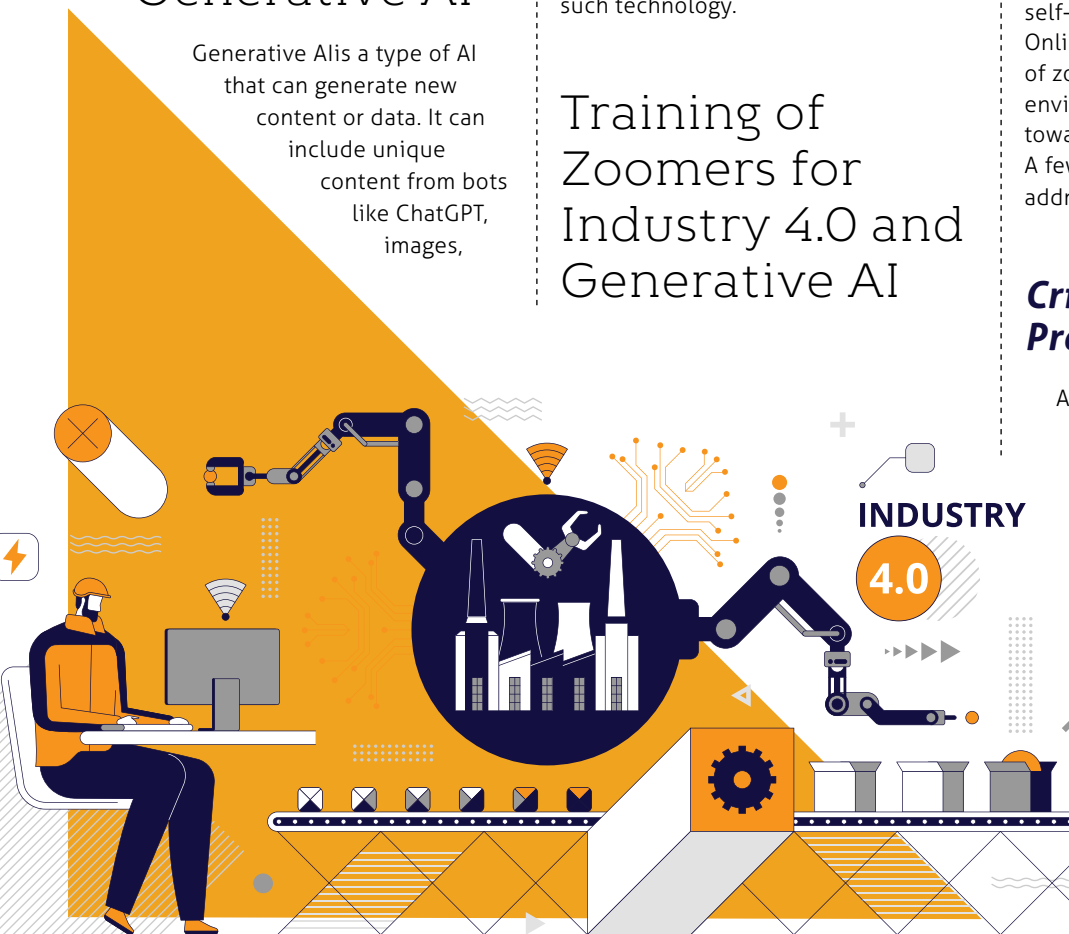
Business Analysts: These professionals analyse business processes and systems and work to identify areas for improvement. They may evaluate generative AI's potential use cases and benefits for specific industries or organisations.

Supply Network Data & Analytics Specialist: These professionals implement Industry 4.0-led design platforms. They collaborate with cross-functional teams to develop innovative solutions for a supply chain to meet business needs.

In addition to these roles, there are many other job opportunities related to generative AI and Industry 4.0, including positions in sales, marketing, project management, and more. The demand for professionals with expertise in these areas will likely continue to grow as AI and Industry 4.0 technologies become more widespread.

Conclusion

Gen Z is the future of our country. They are It is a fallacy to presume that training for Industry 4.0 and Generative AI predominantly involves technical subjects like machine learning, statistics and data analytics. Soft skill training is a crucial feature for the zoomers, and focusing on such topics when planning their training will yield rich dividends. Gen Z is a distinctive set that can take Indian Industry to the next level.



A Study on the Standards of Inks for Food Packaging in India

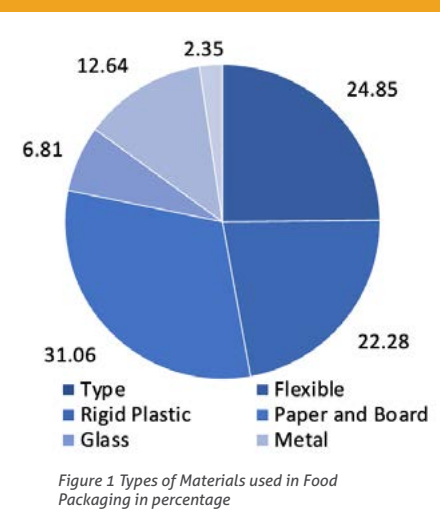


Dr. N. Krishnaswamy | General Manager (PP) & OSD, BRBNMPL

Food Packaging Industry and Printing Inks

Food packaging is one of the fastest growing segments of packaging Industry in India. The global market for this segment was USD 346.5 billion in 2021 and is expected to grow at a Compounded Annual Growth Rate (CAGR) of 5.5% in this decade (Grand View Research, 2022). India is a major and fastest growing world economy. These result in increasing changes in lifestyle and increase in demand for food, food for convenience, alternative food and changes in eating habits. This has led to the increased demand for packaging and also for new materials for packaging aimed at improved shelf-life, efficiency in storage and prevention of contamination. The factors of increase in population, shrinking family sizes and higher disposable incomes propel this trend. India accounts for 4% of the industry and has recorded a CAGR of 16% with a value of about INR 15 billion. It is expected to grow at a rate of 20% per annum in the coming decade (www.entrepreneurindia.co, 2020). The materials used in food packaging include, flexible materials, paper,

board and rigid plastics. These are used as bags, sachets, bottles and cans. The share of materials used in food packaging in 2020 is shown in Figure 1 (www.entrepreneurindia.co, 2020). The materials being packed cover a very wide range from water to healthcare products. The requirements of brand building, labeling, statutory requirements, production, transportation, storage, handling and disposal decide not only the nature of packaging but also the kind and quality of ink used in their print production necessitating the use, development and formulation of appropriate inks to suit different substrates and different items and categories of food.



Printing Inks

The nature and type of inks used for food packaging is determined by the nature of substrate, printing process, colour of ink, drying process or method, drying time needed, need of waterproofing, volume of package, budget and statutory requirements. The inks shall be compatible with the types of surfaces, by which the food is packed inside and these present challenges. The most commonly used ink types are all-purpose ink for non-porous substrates ink for frozen food packaging ink for packaging films and ink for hot melt rolls. These inks carry pigments, varnish or solvent, binder and other additives such as plasticizers, antioxidants and the like to give special properties. The challenges involved in using these inks on different surfaces and different contents in the packages include migration of printing inks when the surface is permeable, UV initiators, benzophenones in inks, several thousand compounds and substances used in different printing inks. The substances used in ink manufacturing are evaluated or non-evaluated. Regulating and monitoring them is not only difficult but requires vast resources also. However, printing inks have been monitored and resorted to regulation over the years.

Standards for Printing Inks for Food Packaging in the World

In the United States, printing inks are regulated in the Code of Federal Regulations under Title 21, Chapter 1, Subchapter B (eCFR content) on food and drugs, Part 176-186 (21 C.F.R. Parts 174-186) and further fall under specific regulations depending on their use (Electronic Code of Federal Regulations, 2022). European Union has legislated that printing inks must legally comply with the Framework Regulation (EC) No. 1935/2004 and the GMP (Good Manufacturing Practices) Regulation (EC) No. 2023/2006 (European Parliament and of the Council, 2009). A positive list also is given for manufacturers, whom they have to comply with the set of rules relevant for Food Contact Materials (FCMs) to which additives are supplied. The Japanese adhere to voluntary standards and these are widely respected in Japan. Often times companies will require its suppliers to have their products sanctioned by the appropriate trade association before purchasing them (Mitzi Ng Clark, 2012). Japan also have negative list used by Japan Printing Ink Makers Association that excludes substances classified as carcinogenic, mutagenic or acutely toxic (Morihsa, 2009).

Standards for Printing Inks for Food Packaging in India

In India, Bureau of Indian Standard (BIS) IS 15495 prescribes guidelines for printing inks for use on food packages that any material used for packaging, preparation, storing, wrapping, transportation and sale or service of food shall be of food grade quality. This is mandated for compliance by Food Safety and Standards Authority of India (FSSAI). The Indian Standard 15495 : 2004, Printing Ink for Food Packaging - Code of Practice ICS 44.040; 67.230; 87.080 [CHD 14: Printing, Inks, Stationery and Allied Products] states the following (Bureau of Indian Standards, 2004).

General Code for Ink Manufacturers

IS 15495 prescribes the following codes:

1. Inks for printing external food wrappers, where there is a functional barrier in the form of another wrapper and the food, may be formulated without restriction
2. The printed surface should not come in contact with food and printing inks for immediate food wrappers
3. Immediate food wrappers shall be of sufficiently low permeability to prevent migration
4. Printing inks shall not be formulated with such colouring agents, which migrate or bleed
5. If it is necessary for the printed surface to be in contact with food, the printing inks shall have acceptable food additives
6. The printing ink manufacturers to take all necessary steps to meet this standard
7. They shall inform the converters and print buyers on the suitability of the ink (Bureau of Indian Standards, 2004)

It further defines the responsibilities of the print buyer, printer, packaging designer, selector, etc.; ink manufacturers and printer. Print buyer, designer and selector shall design the packaging with the restrictions in mind. Taint and odour tests should be conducted on substrate for use.

The press speed and drying speed should be understood to ensure adequate curing and drying takes place. Ink manufacturers are responsible for not using toxic, carcinogenic, sensitizing or mutagenic formulation of inks and coatings and shall be governed by exclusion list given in Annex A. They shall carry out regular testing on ink components, retained solvents from





flexo/gravure packages and distillates from conventional offset products, which have the possibility to migrate from the packaging into food. Printed material should be stored in such a manner that no deterioration in its performance occurs, and the storage environment should be free from potential volatile contaminants and affect the organoleptic characteristics of the food (Bureau of Indian Standards, 2004)¹

Compliance and Monitoring

It is learnt that a few companies are complying these standards and many are yet to follow. It is also to be observed that on how these codes and standard will be effected across the country and how the monitoring for compliance carried out. The standard and the proposed list are excluding in nature and it does not say on what are allowed explicitly, though use of any raw material has been permitted with qualifications. Many ink manufacturers are providing Material Safety Data Sheet (MSDS) to the printers and print buyers and the Standards' requirements shall also form part of it. The challenge is also from the consistency in the quality of raw materials sourced and the cost of ensuring the same.

Conclusion

India has made a promising start towards a progressive goal and it has to travel a long way to ensure quality standards in the production of inks used for packaging of food products. This first step is a starting point. It also has to look for environment friendly raw materials for inks to ensure sustainability in the long term. All these have to be attempted and achieved while meeting food and food packaging requirements of a growing population and economic wellbeing of the masses.



Figure 2 Bureau of Indian Standard (BIS) IS 15495

The list of excluded materials from formulating printing inks are, A-1 Pigments and compounds based on antimony, arsenic, cadmium, chromium (VI), lead, mercury and selenium. | A-2 Dyes and colours: Auramine (Basic Yellow 2 — Cl 41000); Chrysoidine (Basic Orange 2 — Cl 11270); Cresylene Brown (Basic Brown 4 — Cl 21010); Fuschine (Basic Violet 14—Cl42510); Indtine (Solvent Blue 7 — Cl 50400) and Azo dyes | A-3 Solvents: Benzene; Dichlorobenzene; 2-ethoxy ethanol; 2-ethoxy ethyl acetate Methanol; 2-methoxy ethanol; 2-methoxy ethyl acetate; Monochlorobenzene; 2-nitropropane; Volatile chlorinated hydrocarbons and Volatile fluorochlorinated hydrocarbons | A-4 Plasticizers: Chlorinated naphthalenes; Chlorinated paraffins; Monocresyldiphenyl phosphate; Monocresyl phosphate; Polychlorinated biphenyls; Polychlorinated terphenyls and Tricresyl phosphate | A-5 Compounds: Asbestos; Brominated flame retardants; Diaminostibene and derivatives; 2,4 dimethyl 6 tertiary butyl phenol; Dioxins; Hexachlorocyclohexane; Nitrosamines; Pentachlorophenol and its salts; Polychlorinated bi- or terphenyls; Polychlorinated dibenzofuranes; 4,4 tetramethyldiaminotnz-ophenone (Michlers Ketone); Toluene di-isocyanate and Vinyl chloride monomer (Bureau of Indian Standards, 2004).

References

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of October 27, 2004. (2009, August 7). Retrieved December 19, 2022, from <https://eur-lex.europa.eu/>: <https://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CONLEG:2004R1935:20090807:EN:PDF>

Bureau of Indian Standards. (2004, October). IS 15495 (2004): Printing Ink for food packaging - Code of practice. (S. a. Inks, Ed.) Retrieved December 19, 2022, from <https://law.resource.org/>: <https://law.resource.org/pub/in/bis/S02/is.15495.2004.pdf>

Electronic Code of Federal Regulations. (2022, December 12). ECFR.GOV. (N. Archives, Producer) Retrieved December 19, 2022, from Code of Federal Regulations: <https://www.ecfr.gov/current/title-21/chapter-I/subchapter-B>

Grand View Research. (2022). Food Packaging Market Size, Share & Trends Analysis Report By Type (Rigid, Flexible, Semi-rigid), By Material (Paper & Paper-based, Plastic, Metal, Glass), By Application, By Region, And Segment Forecasts, 2022 - 2030. San Francisco: Grand View Research.

Karamfilova, E. (2016, May). Food Contact Materials - Regulation (EC) 1935/2004. Retrieved December 19, 2022, from [https://www.europarl.europa.eu/RegData/etudes/STUD/2016/581411/EPRS_STU\(2016\)581411_EN.pdf](https://www.europarl.europa.eu/)

Karamfilova, E. (2016, May). Food Contact Materials - Regulation (EC) 1935/2004. Retrieved December 19, 2022, from [https://www.europarl.europa.eu/RegData/etudes/STUD/2016/581411/EPRS_STU\(2016\)581411_EN.pdf](https://www.europarl.europa.eu/)

Mitzi Ng Clark, D. J. (2012, June 6). The Regulation of Food Packaging Materials in Japan. (K. a. LLP, Producer) Retrieved December 19, 2022, from [https://www.packaginglaw.com/special-focus/regulation-food-packaging-materials-japan](https://www.packaginglaw.com/)

Morihisa, K. (2009, August 1). <https://jglobal.jst.go.jp/> Retrieved December 19, 2022, from Voluntary Regulation Concerning Printing Inks (Negative List Regulations): https://jglobal.jst.go.jp/en/detail?JGLOBAL_ID=200902299527811772

www.entrepreneurindia.co. (2020). Food Packaging Industry Current, Future Potentia, Market Trends. Niir Project Consultancy Services (NPSC). New Delhi: Niir Project Consultancy Services (NPSC).

Circular Economy Approach for achieving Net Zero Targets of 2070



Dr Harveen Kaur
Environment and Sustainability Expert



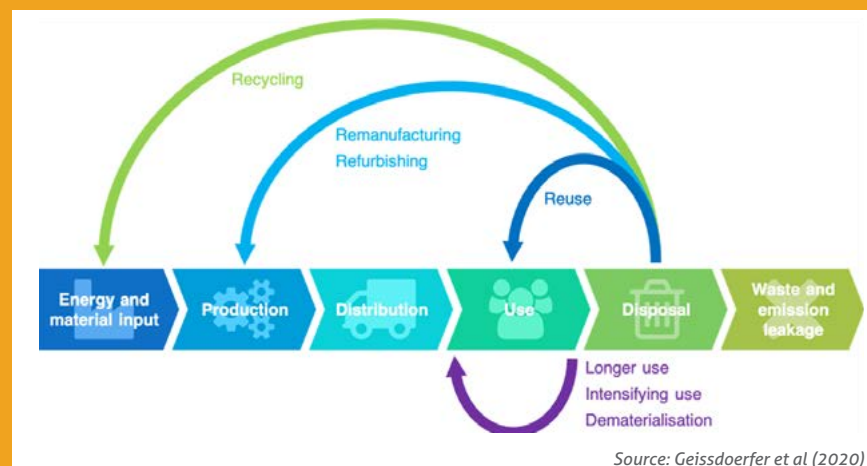
Dr Girish Sapra
Environment and Waste Management Expert

Introduction

Waste management generally refers to the processes and activities associated with the collection, transportation, recycling, disposal and treatment of waste materials. The waste management sector generates Greenhouse Gas Emissions (GHG) which are considered a major contributor to global warming. Our product consumption and irresponsible waste management directly contribute to Climate Change by introducing carbon emissions into the atmosphere, which are produced during the unscientific handling/burning of these products. As a result, warmer air is produced, resulting in Greenhouse Effect. Investigating waste management sector GHG releases has become a concern

of global interest. Various circular economy-based practices that can help reduce GHG releases from waste are discussed in detail in this article. By management of waste, combatting the harmful effects of Climate Change seems feasible to an extent and it is crucial to continue exploring and implementing new ways to reduce the sector's carbon footprint.

An Illustration of the Circular Economy Concept in Waste Management



Source: Geissdoerfer et al (2020)

Contributors for Carbon Footprint in Waste Management Sector

The Carbon Footprint in the waste management sector refers to the amount of 'Greenhouse Gases' (primarily carbon dioxide) that are emitted during the collection, transportation, processing, and disposal of waste. This can include emissions from landfills, emissions from vehicles used for waste collection and transportation, emissions from incineration facilities and emissions from the

production of materials used in waste management, such as plastic bags and containers.

One of the biggest contributors to the carbon footprint in the waste management sector is landfills. When organic materials such as food and yard waste decompose in a landfill, they release methane, a greenhouse gas that is 28 times more potent than carbon dioxide. Incineration of waste also releases carbon dioxide and other greenhouse gases into the atmosphere. Apart from this use of trucks and other vehicles to transport waste to landfills and processing facilities also contributes to emissions. Waste processing facilities use energy for processes such as sorting, shredding, and composting, which can produce emissions from the burning of fossil fuels.

Calculating Carbon Footprint

Calculating the carbon footprint in the waste management sector involves determining the amount of GHG emitted during various stages of the waste management process from cradle-to-grave. It is important to note that the carbon footprint of the waste management sector can vary depending on the use of specific methods and technologies, the amount of fuel used, the amount of energy used to power the disposal facility, and the type of waste being managed.

Emissions can be calculated using emissions factors obtained from a variety of sources, including the Environmental Protection Agency (EPA) and the Intergovernmental Panel on Climate Change (IPCC). After calculating

the carbon footprint for each stage of the waste management process, the total carbon footprint of the waste management sector can be calculated. This data can then be used to identify areas where emissions can be reduced and strategies to reduce the sector's carbon footprint can be implemented.

Strategies to reduce Carbon Footprint

The reduction of the carbon footprint in the waste management sector can be achieved by implementing circular economy-based practices such as reuse, recycling, composting and source reduction of waste materials. A circular economy is a holistic approach that aims to keep resources in use for as long as possible, reducing the need for new resources and minimizing waste. It also emphasizes product design and life-cycle analysis to minimize the waste and energy consumption from extraction, production, distribution and disposal.

Recycling is a powerful tool for reducing a person or organization's carbon footprint. Instead of sending waste materials to a landfill, waste materials can be recycled to create new products, such as recycled paper, plastic, and metal. This reduces the need for virgin materials and decreases the amount of waste that needs to be disposed of in a landfill. For example, recycling aluminium cans saves 95% of the energy that would be needed to produce new aluminium from raw materials. Similarly, recycling paper saves 74% of the energy required to create paper from virgin wood pulp.

Another way that a circular economy approach can minimize the carbon

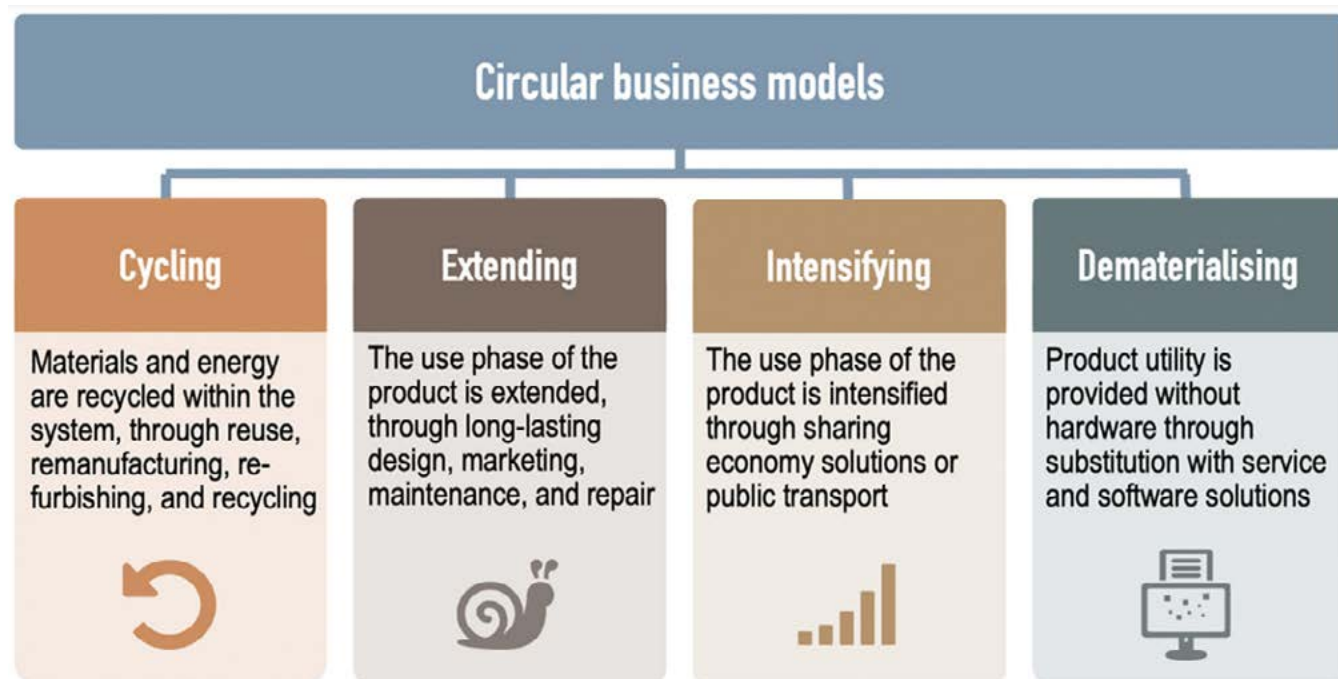
footprint in waste management is through the use of composting and anaerobic digestion. These methods break down organic waste materials and convert them into nutrient-rich soil and biogas, which can be used as a source of renewable energy. This reduces the amount of GHGs produced by landfills and also provides a source of clean energy. The carbon footprint of composting depends on several factors, including the source and type of organic materials used for composting, the method of composting, and the energy used to maintain the composting process. For example, using locally sourced organic materials for composting will have a lower carbon footprint than using materials that have been transported from far away. Similarly, using manual or passive composting methods, such as using a backyard compost bin, will have a lower carbon footprint than using mechanical or industrial composting methods that require energy to operate. Overall, composting can be an effective way to reduce the carbon footprint of organic waste disposal, as it diverts waste from landfills and helps to create a valuable soil amendment. However, careful consideration of the method and materials used is necessary to minimize the carbon footprint of the process. Other strategies include using more energy-efficient equipment and vehicles and using renewable energy sources. Additionally, implementing more energy-efficient waste management technologies for waste processing and treatment and investing in carbon capture and storage technology can also help to reduce emissions. Therefore, the circular economy in waste management offers a sustainable solution for reducing the carbon footprint associated with waste disposal and promoting the efficient use of resources.

Emissions can be calculated using emissions factors obtained from a variety of sources, including the Environmental Protection Agency (EPA) and the Intergovernmental Panel on Climate Change (IPCC).

Circular and Sustainable Business Models for Waste Management

According to some authors (Geissdoerfer et al., 2020) there is a link between circular and sustainable business models. They believe that the circular business model concept incorporates sustainability considerations. According to this analysis, circular business models are those that cycle, extend, intensify, and/or dematerialize material and energy loops to decrease resource inputs into waste and emission leakage out of an organisational system. This includes steps toward recycling (cycling), use phase lengthening (extending), use phase intensification (intensifying), and product replacement with services and software solutions (dematerialising).

Sustainable Business Models for Waste Management



Source: Geissdoerfer et al (2020)

Conclusion

The European are leaders in terms of circular economy

Europe as a whole is currently in the lead group of nations because the majority of those leading in the circular economy are European nations. This is due to a variety of factors. First and foremost is that the circular economy is a field that is currently most technologically advance in developed countries. Secondly, the new Circular

Economy Action Plan for Europe (2020) provides the way to a circular economy at the global level.

The current efforts of European countries to shift to a circular economy, as well as their goals and the methods used to achieve these goals, are primarily used to identify these countries as leaders in the field. Some of the best examples are as follows:

The European Countries that are leaders in Circular Economy

- The Netherlands** The government of the Netherlands aims to recycle 50% of all materials worldwide by 2030 and turn waste into usable materials wherever it is feasible. The next objective is to have the nation transition to a completely waste-free economy by 2050.
- Germany** In some facets of the circular economy, such as waste management and recycling, Germany is a leader.
- France** It has also introduced a number of initiatives to promote a better circular economy, such as the roadmap for circular economy in 2018, which included 50 measures for a successful transition towards circular economy.
- Belgium** It typically ranks among the top 5 in the circular economy principles.
- Outside of the EU** Outside of the EU, nations like Brazil, China, Canada, the USA, and particularly Japan are attempting to move in the direction of circularity.

Freedom - Ultimate Goal for Quality of Life



Vishal Gupta

Manager (Projects),
SGS India Private Limited



Vaibhav Gupta

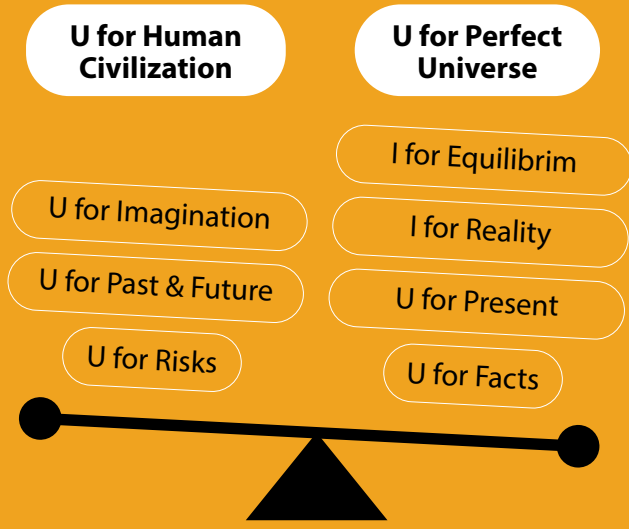
Deputy General Manager,
HCL Tech

Freedom is generally being considered from Governance perspective, wherein the colonization is not acceptable to the humanity of the local geographical region. Some considers freedom to be one's own will to choose, express, speech, etc.

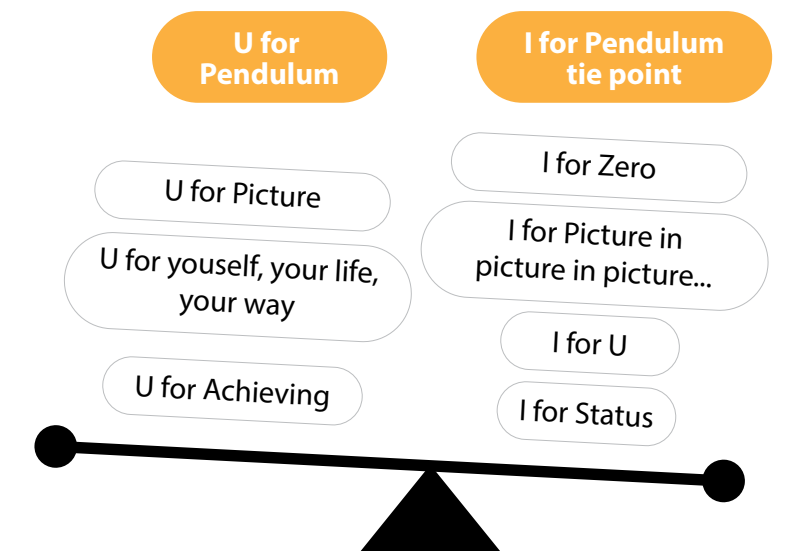
Freedom is the ultimate GOAL for Quality of Life and is far more than just own choice.

It is a goal for all species and entities including the Human Beings. Generally, human beings are involved to seek freedom in their day-to-day work. The first step towards achieving the ultimate goal is when the distinguishing and discriminating factor of mind reduces to an extent of removal in the duality of the mind.

From the perspective of the human mind, it is the general tendency to observe the events, interpret them, analyze them and feel. The past events, experiences and future expectations play an important role in it. Each entity needs to overcome the various aspects that it assumes would lead to its freedom in the playground. This results in envisaging the constraints and limitations of the entities. To overcome such constraints and limitations, the human minds prioritize and generate dependencies that may be on other human being, an organization or any society. This becomes the seed of the relationships. When in relationship, creeps in all sorts of human behavior characteristics that plays its own role in determining long-term association-ship. This human behavior as observed is actually nothing but the



replica of the relationship that exists within ourself and our physical body. As the knowledge of this phenomenon percolates throughout the society, hunger for all sort of power increases that may be of money or position wherein entities group together in the name of religion, magic or miracles. As the energy accumulation and grouping starts, language becomes important factor as it acts as a force of multiplier when entities communicate with each other. As energy level increases of human being, U starts observing the five elements within and around you i.e. earth, water, air, aakash and fire. U may develop your ability to leave or enter your physical body. U gets connected with the Nature and the communication starts in-between U and I.



At this stage of life, the speed of the life increases and can even beat time. U may gain momentum to move in future and can create future the way U wants. U can move un-hindered and appear-disappear at in space at your will. U starts communicating without the need of having any written or vocal language through your thoughts.

It is at this part of the life there do not exist any difference between U and I. U gets merged into Me.

The question remains how to reach at the ultimate goal wherein U and I are same. And the answer is the Communication and the Technology that can be developed by U. The communication and technology are the two sides of the coin.

Enjoy listening, exercise and practice yoga!

- Freedom from U and I
- Freedom from Space
- Freedom from Time
- Freedom from Earth, Water, Air, Aakash & Fire
- Freedom from Language
- Freedom from Religion, Magic & Miracles
- Freedom from Relationships
- Freedom from Priorities & Dependencies
- Freedom from Constraint & Limitations
- Freedom from Duality in Mind
- Freedom at Entity Level

RISK MANAGEMENT

OVERVIEW - MEANING-PLANNING - PROCESS



V Umesh Naidu

Principal Consultant Hospitals Accreditations, Educational Excellence, Quality Promotion

This article intends to give a flavour to the uninitiated for their appreciation of an important subject, which can have far reaching ramifications if not prepared well in advance.

An Overview

Year 2022 was a rollercoaster with businesses continued to grapple with volatile global landscape. Whether it's continued aftershock of Covid-19, conflict in Ukraine, supply chain disruptions, or persistent inflation, and re-emergence of virus threatening further dents- instability has been inescapable.

Many businesses wished they had been more prepared for these risks and developed dynamic proactive plans to navigate the tricky terrain. After all, having a robust contingency plan in place - and knowing on how to effectively implement it, to ensure greater business continuity for any organization.

The key to accomplish that is to get ahead of the risks that threaten business stability. To do that, it requires to know, understand and foresee what are risks to help companies prepare in the event risks transpire. Simply put, without a formalized risk management plan, it is not a viable option for businesses to survive.

What is Risk

- An uncertain event or condition, that has a probability to occur in future, that will have a positive or negative effect on business goals
- It is an undesirable situation or circumstance that has both a likelihood of occurring and a potentially negative consequence
- In other words, if the organization has no business goals, it has no risks

Risk Management Planning

Even the most carefully planned project can run into trouble. No matter how well one plans, the project can still encounter unexpected problems. Say, team members fallen sick or quit, critical resources unavailable, weather upsetting project with a sudden snowstorm.

Would that mean one is helpless against unknown problems? Of course not!

To counter such eventualities, Risk Planning comes into picture to identify potential problems that can

cause trouble, analyse how likely they are to occur, take preventive action to avoid risks, or minimize them if they cannot be avoided. It is essential to plan for risk from beginning and keep reviewing throughout the operation cycle. Without a Risk Planning mechanism in place, it becomes too late to do anything when risks occur. It is therefore essential to plan and be prepared for any eventuality.

Risk Management Plan tells how to handle risk. It documents how to assess risk, who is responsible for doing it, how frequent to do risk throughout the project. Not all risks are negative. Some events (like finding an easier way to do an activity) or conditions (like lower prices for certain materials) can help the project to take off smoothly. When this happens, it is called an opportunity; but it's still handled just like a risk.

There are no guarantees for any project. Even the simplest activity can run into unexpected problems. Anything that might occur to change the outcome of a project activity, we call that a risk. A Risk can be an event (like a snowstorm) or it can be a condition (like an important part being unavailable). Either way, it's something that may or may not happen, but if it does, then it will force one to change the way to work on the project.

If the project requires one to stand on the edge of a cliff, then there's a risk that the person could fall. If it's very windy or the ground is slippery and uneven, then falling is more likely (See Fig below).

During a project planning stage, risks are still uncertain, meaning they have not happened yet. But some of the risks that are planned for, may eventually happen, and that's when one will have to deal with them.

Handling Risk

There are four basic ways to handle a risk :

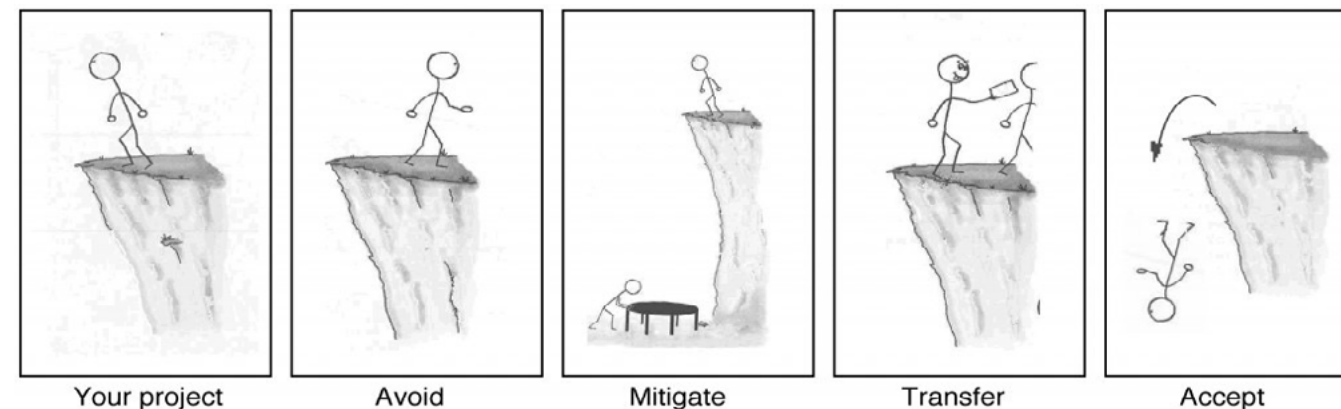


Figure: Risk Management Options

Avoid

The best thing to do with a risk is, avoid it. If it is prevented from happening, it will not hurt the project. The easiest way to avoid this risk (in the Figure above) is to walk away from the cliff. But that may not be an option in this project

Mitigate

If the risk cannot be avoided, it can be mitigated. This means taking some sort of action that will cause it to do as little damage to the project as possible

Transfer

One effective way to deal with a risk is some other person to own it instead of project manager. Say, project manager buys policy from an insurance company

Accept

When risk cannot be avoided, mitigated or transferred, then accepting it is the

Risk Management Process

Managing risks is a process that includes Risk Assessment and a Risk Mitigation strategy for those risks.

Risk Assessment involves:

- Identification of potential risks, and
- Evaluation of potential impact of risks.

Risk Mitigation plan is designed to: Eliminate or minimize impact of risk events i.e. occurrences that have a negative impact.

only way option. Here consolation will be, it is not given up, but all available alternatives were looked into to reduce its potential impact if the risk occurs

It's important to know how big a risk's potential impact could be. The impact tells how much damage the risk would cause to a project. The impact can be classified on a scale from minimal to severe, or from very low to very high. The Risk Management Plan should give a scale to help figure out the probability of the risk. Some risks are very likely; whilst others are not.

Identifying Risk is a creative and disciplined process. The creative process includes brainstorming sessions with the team who are expected to create a list of everything that could go wrong. At this stage, all ideas are welcome. Evaluation of those ideas will come later.

Risk Identification

Use checklists to identify Potential Risks and evaluate their likelihood

of events happening. It helps a risk manager and team to pinpoint specific risks based on checklists and thereafter further expand their

and associated potential loss due to the occurrence. Not all risks events are equal. Some events are more likely to happen and cost of a risk can vary greatly. These become the critical few. By establishing a criteria to determine high-impact risks, it helps to narrow down the focus on few critical risks that require mitigation.

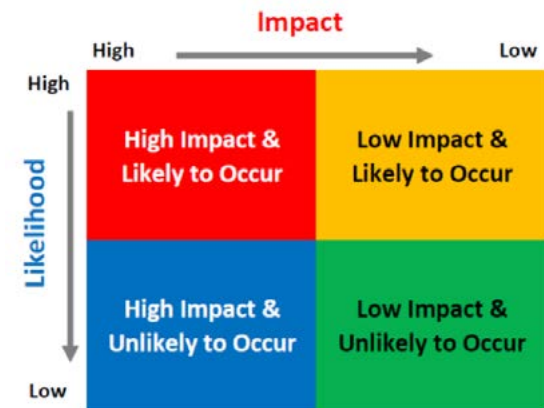


Figure: Risk Likelihood & Impact

Building on the identification of risks, each risk event is analyzed to determine the likelihood of occurrence and the potential cost if it did occur. The likelihood and impact are both rated as high, medium, or low. A Risk

thinking. Experience of industry experts are also a valuable resource to identify potential risks based on categories. For example, sources of risk could come from areas like: Technical/ Cost/ Schedule/ Client/ Contractual/ Weather/ Financial/ Political/ Environmental/ People.

Mitigation plan addresses the items that have high ratings on both factors -likelihood and impact.

Risk Classes & Heat Map

Post assessment/ evaluation, potential risks are grouped into three classes depending upon their overall severity to a business :

- Heat-Map (given below) shows distribution of these classes
- Risk Mitigation Plans will differ for each Class of Risks

Risk Evaluation

Risk Evaluation is about building an understanding of which potential risks have the greatest possibility of occurring and can have the greatest negative impact on the organization

- Consequence and Likelihood are assessed on a 5-point scale

Risk Mitigation

After identification and evaluation of risks, the risk management team develops a Risk Mitigation Plan. A plan to reduce impact of an unexpected event. Risks are mitigated in the following ways:

- Risk avoidance
- Risk sharing
- Risk reduction
- Risk transfer

Risk Avoidance

It involves to develop alternative strategy that has a higher probability of success but usually at a higher cost to accomplish a task. Examples :

- Use proven technologies rather than adopt new ones, even though the new techniques may show promise of better performance or lower costs
- Choose a vendor with a proven track record over a new vendor that is providing significant price incentives to avoid the risk of working with a new vendor

organizations that work on projects will reduce political, legal, labour, and others risk factors associated by entering into a joint venture with a company. Going into a JV is advantageous when the other company has expertise. In case a risk event occur, the partnered company absorbs some negative impact of the event.

Risk Reduction

It is an investment of funds to reduce the risk on a business project. Examples :

Purchase guarantee of a currency rate to reduce risk associated with fluctuations in currency exchange rate

Hire an expert to review project's technical plans or cost estimate to raise the confidence in that plan and reduce the risk

Assign highly skilled personnel to manage high-risk activities to predict in advance potential problems and their solutions that can prevent a negative impact on the business

Reduce risk by forbidding key executives or technology experts to fly on the same airplane

Risk Transfer

It shifts risk from one to another party e.g. purchase of an insurance policy. Here the risk is transferred from a business house to an insurance company. Events like unforeseen weather, political unrest and labour strikes are the examples of risks that can significantly impact a business.

Risk Articulation: Cause & Effect and Bow-Tie

A widely used format, bow-tie is a graphical tool to provide visual insights for risks. It interprets the relationship between cause, event (risk) and effect.

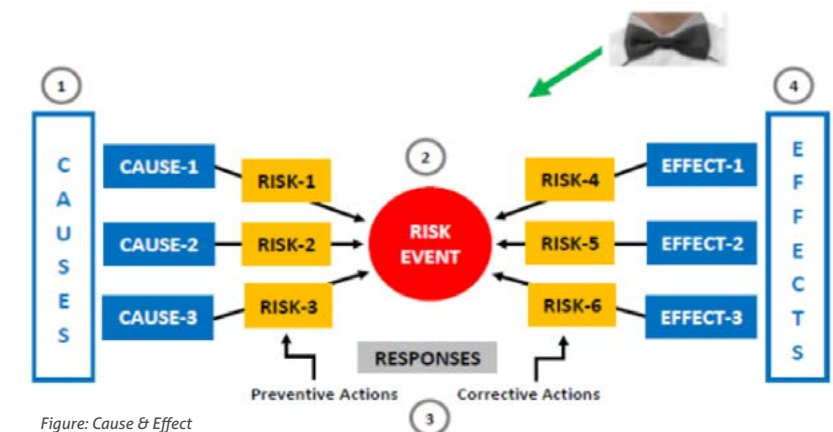


Figure: Cause & Effect

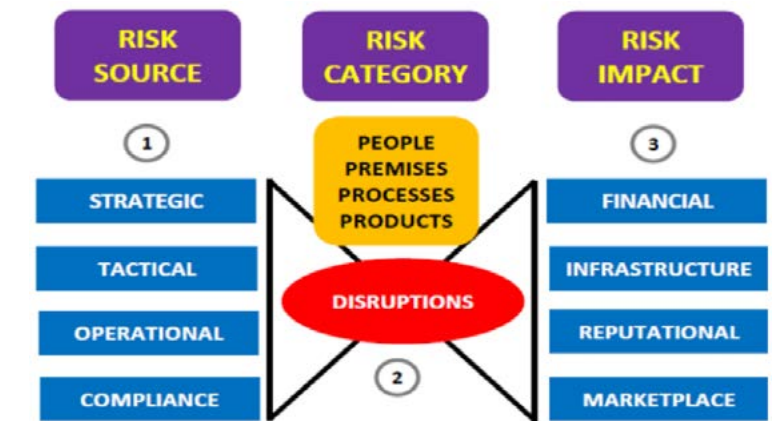


Figure: Bow-Tie and Disruptive Events

Consequence →	Low (1)	Minor (2)	Moderate (3)	Major (4)	Critical (5)
Likelihood ↓					
Almost certain (5)	Medium (5)	Medium (10)	High (15)	V. High (20)	V. High (25)
Likely (4)	Medium (4)	Medium (8)	Medium (12)	High (16)	V. High (20)
Possible (3)	Low (3)	Medium (6)	Medium (9)	Medium (12)	High (15)
Unlikely (2)	V. Low (2)	Low (4)	Medium (6)	Medium (8)	Medium (10)
Rare (1)	V. Low (1)	V. Low (2)	Low (3)	Medium (4)	Medium (5)

- A Class A Risks
- B Class B Risks
- C Class C Risks

Risk Sharing

It involves partnering with others to share responsibility for the risky activities. Many

Risk Articulation Post Identification

- CAUSE**
 - Briefly mention broad causes of that event happening
 - Comment on its probability of happening
- EVENT**
 - Description of event or scenario that adversely impacts the business
 - Period of that event happening
- IMPACT**
 - Description of impact that will cause to organization's business objectives

Risk & Triggers

Early warning triggers are based on multiple sources of information for early identification of potential harmful scenarios:

- Triggers flag possible risks much in advance, based on quantitative (e.g. sharp volatility in energy prices like oil and gas) or qualitative (e.g. changes that are likely to come in government policies)
- Triggers could be internal (e.g. issues concerning supplies, employees attrition due to poaching of critical talent by competitors) or external (e.g. raw materials prices, exchange rate fluctuations). In both cases, company's operations would suffer

These triggers enable businesses to track data such as, price trends, changes in government policies, etc. to sufficiently

prepare in advance to meet potential scenarios to be evolving in the environment.

Risk Management's Benefits

Effective Risk Management practices will result in :

- Development of advanced Risk Management capabilities for sustained business growth and competitive advantage
- Management focus shifting from reactive to proactive risk behavior
- As a part of organizational culture, decision making becomes smooth to bring long term enterprise value

Inherent Risks Few Examples

Crossing the road

Crossing a busy road would be inherently dangerous if there were no controls in place and many more accidents would occur. When a risk is inherently dangerous, greater attention is paid to the control measures in place, because the perception of risk is much higher. Pedestrians do not cross the road without looking and drivers are always aware that pedestrians may step into the road. Often, other traffic calming control measures are necessary to reduce the speed of the motorists or increase the risk awareness of both motorists and pedestrians.

Injury to key player

A sports club will wish to reduce the chances of a key player being absent through injury. However, key players do get injured and the club will need to consider the impact of such an event in advance of it happening. If the injury is serious, the player may be absent for a significant length of time. There is likely to be a substantial impact, which will be most obvious on the pitch where the success of the team is likely to be reduced. However, other consequences may also result and these could include the loss of revenue from the sale of shirts and other merchandise with that player's name and number. Arrangements to reduce the potential for loss of income should also be considered.

Risk Landscape

Year 2023 will carry several risks that require plenty of preparation, both proactive and reactive threat management. Rising cost pressures will continue to test business stability. Poor economic conditions can bring heightened crime rates, prompting businesses to adopt latest safety plans. In addition, organization cannot discount the continued effects of Ukraine conflict and the looming threats between China and Taiwan. Each of these risks will impact businesses globally with ripple effects that require proactive preparation and actionable business continuity plans.

Businesses should internalize risk management systems: The more unstable a global risk landscape is, the more likely a spurt in common crimes. To effectively navigate risks, looking back should prompt one to look ahead.

Understanding risks is, therefore, vital from an organizational perspective. Risk Mitigation Plans should be living documents - flexible and adaptable as crises evolve and able to meet the organization's key needs and solutions in a dynamic way. The guidelines are no longer a luxury for an organization. If it wants to survive and grow, risk management is a necessity.



Advertisement/
Advertorial
Tariffs
QUALITY INFORMATION FROM A QUALITY SOURCE

Subscribe and get upto 55% discount

	Half Page	Full Page	Inside Cover	Back Inside	Back Cover
CASUAL (PRE-INSERTION COST)					
Non-Members	₹ 18,000	₹ 30,000	₹ 80,000	₹ 90,000	₹ 1,00,000
Member (10% Discount)	₹ 16,200	₹ 27,000	₹ 72,000	₹ 81,000	₹ 90,000
ANNUAL CONTRACT (FOUR INSERTION COST)					
Non-Members	₹ 70,000	₹ 90,000	₹ 2,20,000	₹ 2,00,000	₹ 2,50,000
Member (10% Discount)	₹ 63,000	₹ 81,000	₹ 1,98,000	₹ 1,80,000	₹ 2,25,000

JACKET AD: ₹ 1,60,000

* Payment to be made by cheque/ DD drawn in favour of Quality Council of India

Mechanical Data

Bleed Size: 21.6 x 29.4 cms | Non-Bleed Size: 21.13 x 28.76 cm

Other Informations

Language: English | Frequency: Quarterly

For further details, please contact: **Ms. Shagufta Parveen** - shagufta.parveen@qcin.org | +91 9582840831

Ms. Pooja Singh - pooja.singh@qcin.org | +91 9990699909

Please Fill The Form In Capital Letters

I am enclosing cheque/ DD No. _____ Dated: _____ drawn on (specify bank): _____

favouring Living Media India Limited for Rs. _____ (Add Rs. 50/- for non Delhi Cheques, not valid in case of at par cheques).

Name: _____ Mobile: _____ Email: _____

Address: _____ City: _____ State: _____ Pin: _____

Quality Council of India

Institution of Engineers Building, 11th Floor, 2 - Bahadur Shah Zafar Marg, New Delhi - 110002, India.

Tel: +91-11- 2337 9321 | Fax: 91-11-2337 8678 | Email: info@qcin.org

QCI PROFESSIONAL MEMBERSHIP SCHEME

TO BECOME A MEMBER
**APPLY
NOW!**

Any Accreditation with QCI (NABL, NABH, NABET, NABCB and ZED rated MSME) can avail 10% discount on membership fee

www.nbqp.qci.org.in



@QualityCouncilofIndia



@QualityCouncil



qualitycouncilofindia