EFFECTIVE PROJECT MANAGEMENT AND IMPLEMENTATION IN THE INDUSTRY

MANAGE INFORMATION IN THIS ERA OF SOCIAL MEDIA VULNERABILITY

PAVING THE WAY : OHSE EXCELLENCE IN ROAD CONSTRUCTION

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From the Editor

Dear Readers

Welcome to the second issue of Quality Herald – The voice of excellence!

We are thrilled to bring you another edition filled with insightful articles, expert opinions, and the latest updates from the industry. As we continue to grow and evolve, our mission remains steadfast: to be your trusted source of information and inspiration in the ever-changing world of quality management and industry advancements.

In this issue, we delve into the dynamic landscape of our industry, exploring the innovations, challenges, and success stories that define our field. Our team has worked diligently to curate content that not only informs but also sparks meaningful conversations and drives progress.

We are honoured to feature contributions from some of the brightest minds in the industry. Their expertise and perspectives provide invaluable insights that can guide us all towards achieving excellence. From cutting-edge technological advancements to best practices in quality control, this issue offers a comprehensive overview of the trends shaping our future. The stories we have covered this month highlights a groundbreaking development that promises to revolutionize our approach to quality management.

I would like to extend my heartfelt thanks to our contributors, advertisers, and, most importantly, you—our readers. Your support and feedback are the driving forces behind our commitment to delivering high-quality content each month. We are eager to hear your thoughts and suggestions as we strive to make "Quality Herald" an indispensable resource for professionals and enthusiasts alike.

As we look ahead, we remain dedicated to bringing you the most relevant and engaging content. Together, let us continue to champion quality and innovation in every aspect of our work.

Thank you for being a part of our journey. Enjoy the read!

Warm regards,

Dr. Sumit Shandilya

Chief Editor

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ISO's CLIMATE COMMITMENT

Sachin Grover
Executive Director

The London Declaration, approved in September 2021, indeed marks a significant commitment by the International Organization for Standardization (ISO) to combat climate change through standards. It underscores ISO's pledge to align its work with the climate agenda by 2050, recognizing the vital role that international standards have in supporting the global economy and fostering trust in international trade

ISO's commitment through the London Declaration includes:

- Actively considering climate science and transitions in the development of all new and revised International Standards and publications.
- Facilitating the involvement of civil society and those most vulnerable to climate change in the development of International Standards.
- Developing an Action Plan and Measurement Framework to detail concrete actions and initiatives, along with a reporting mechanism to track progress

This initiative is in response to the urgent need for measures to reduce emissions and help adapt to climate change. It aims to ensure that International Standards and publications accelerate the achievement of the Paris Agreement, the United Nations Sustainable Development Goals, and the United Nations Call for Action on Adaptation and Resilience.

Climate change encompasses persistent alterations in temperature and atmospheric conditions. While such changes can occur naturally, for instance, through fluctuations in solar activity, it has been predominantly human actions since the 19th century that have accelerated climate change. The chief cause is the combustion of fossil fuels, including coal, oil, and natural gas, which releases significant amounts of greenhouse gases into the atmosphere.

Contemporary studies indicate that the concentration of greenhouse gases in the atmosphere has reached its zenith in over two million years, with emissions continuing to ascend. The planet's temperature has increased by approximately 1.1°C since the late 19th century, making the period from 2011 to 2020 the hottest decade ever recorded.

What is the Impact of Climate Change on Businesses??

- **Operational Disruptions:** Extreme weather events like floods, droughts, and storms can cause direct physical damage to business assets, disrupt supply chains, and lead to forced closures.
- **Regulatory Changes:** As governments implement policies to reduce carbon emissions, businesses may face increased costs due to carbon taxes, emission trading schemes, and other regulatory measures.
- **Market Shifts:** Consumer preferences are evolving towards more sustainable products and services, compelling businesses to adapt their offerings or risk losing market share.
- **Financial Risks:** Climate change introduces new financial risks, including disclosure requirements and insurance considerations, which can affect a company's bottom line.
- **Resource Scarcity:** Changes in climate can lead to water scarcity and other resource shortages, impacting production and increasing costs.

How is ISO contributing to this noble cause?

On the 23rd day of February 2024, ISO amended 30+ standards such as ISO 9001, ISO 14001, ISO 45001, ISO 50001, ISO 22301 etc. The said amendment was done in the following clauses:

4.1 Understanding the organization and its context. The organization shall determine external and internal issues that are relevant to its purpose and that affect its ability to achieve the intended result(s) of its XXX management system.

Added: The organization shall determine whether climate change is a relevant issue

---

4.2 Understanding the needs and expectations of interested parties. The organization shall determine: • the interested parties that are relevant to the XXX management system. • the relevant requirements of these interested parties. • which of these requirements will be addressed through the XXX management system.

Added: NOTE: Relevant interested parties can have requirements related to climate change.

The objective is to guarantee that organizations consider the implications of Climate Change within the scope of their management system's efficacy, alongside other pertinent issues. The incorporation of these supplementary statements in each management system standard is a deliberate move to ensure that this critical subject is given due consideration by all entities during the formulation and execution of their management systems.

While the fundamental purpose behind clauses 4.1 and 4.2 remains the same, these clauses have always encompassed the necessity for organizations to evaluate any internal and external factors that could influence the efficiency of their management system. The recent additions serve as a confirmation that Climate Change is factored into the management system, recognizing it as an external element of such significance that our community now mandates its consideration by organizations.

For further understanding the change, you can contact QGS, info@qgspl.com for a Context Identification and Risk Assessment training in your organization.

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GLIMPSES FROM VARIOUS QGS PROGRAMMES

1 **Upgrading & Development** Asset Management IA training Program conducted successfully at Aditya Birla Group, Odisha

2 **Employee Priority:** EHS IA training at Indo Autotech Jaipur

3 **Unlocking Precision:** IMS Awareness Ethiopian Roads Administration

India Prioritizes Quality: New Quality Management Foundation Launched

The Economic Times of India reports on the establishment of the Indian Foundation for Quality Management (IFQM) by Tata Sons, TVS Motor Company, and other prominent Indian corporations. The IFQM's mission is to empower Indian businesses to compete effectively in the international marketplace by fostering excellence in quality management practices.

The article outlines the significance of quality management in today's business environment. In an increasingly competitive global market, adhering to rigorous quality standards is essential for businesses to thrive. The IFQM will serve as a platform to promote quality consciousness within Indian industries and provide them with the tools and resources necessary to implement robust quality management systems.

Furthermore, the IFQM intends to champion innovation within Indian businesses. Innovation is crucial for businesses to keep pace with technological advancements, develop cutting-edge products and services, and cater to evolving customer demands. The IFQM will likely establish initiatives to foster a culture of innovation among Indian companies, potentially including workshops, knowledge-sharing sessions, and collaboration opportunities.

The establishment of the IFQM is a noteworthy development for Indian businesses. By prioritizing quality management and innovation, the IFQM has the potential to empower Indian companies to become more globally competitive.

The IFQM's focus on quality and innovation aligns perfectly with our mission QGSPL. We offer expertise in quality management systems to help you implement these practices and achieve global competitiveness.

Cloud Drives Quality: Software Market Booms

Businesses are demanding better quality management software, and the market is expected to grow by $6.6 billion by 2028. This boom is fueled by the rise of cloud-based solutions. Cloud software is cheaper, easier to scale, and accessible from anywhere. Plus, subscriptions make budgeting simple and security updates are automatic. Small businesses love user-friendly SaaS options! Open-source alternatives exist, but may require more technical expertise.

The future is bright for this market. Regulations are demanding higher quality, especially in areas like food and medicine. Additionally, AI and machine learning promise to revolutionize quality control. Cloud-based quality management software is the key for businesses seeking a competitive edge.

At QGSPL we understand the importance of quality management software in today's competitive business environment. We offer a variety of cloud-based solutions that can help you streamline your processes, improve quality control, and gain a competitive edge. Our team of experts can help you choose the right solution for your needs and ensure a smooth implementation. With our help, you can leverage the power of cloud technology to achieve your quality goals.

AI Supercharges Lean Six Sigma: Faster, Smarter Process Improvement

Furthermore, in the manufacturing sector, AutoTech Enterprises utilized Six Sigma techniques to optimize its production processes. By identifying and eliminating waste, defects, and variability in its assembly line operations, AutoTech Enterprises

achieved remarkable improvements in product quality and operational efficiency. This enabled the company to meet growing customer demand while maintaining high standards of excellence.

In conclusion, Six Sigma continues to be a driving force in modern quality management, enabling organizations like Tech Innovations Inc., Hospital Solutions Group, and AutoTech Enterprises to achieve superior results and sustain competitive advantage.

The future of LSS is bright with AI, but challenges like data quality and system integration exist. Here's where QGSPL can help . We understand the potential of AI-powered LSS and offer solutions to seamlessly integrate AI into your existing processes. Our team of experts can help you navigate data challenges and ensure a smooth system integration. With our help, you can unlock the power of AI and achieve significant improvements in efficiency, process quality, and overall business performance.

Businesses Rethink Operational Excellence: Strategy, Customers, and Tech Take Center Stage

Forget just cutting costs and streamlining processes. Operational excellence is getting a makeover! A new report by McKinsey highlights a "next-generation" approach focused on strategy, customers, and continuous improvement. This means aligning operations with long-term goals, prioritizing customer needs, and empowering employees. Continuous improvement through data analysis and embracing new technologies is also crucial. By implementing these five pillars, businesses can unlock "operational excellence 2.0," fostering innovation and a sustainable competitive edge. At QGSPL, we are experts in helping organizations implement next-generation operational excellence. We offer a comprehensive suite of services to guide you through each of the five key elements, from strategic planning and customer experience workshops to training programs and data analytics solutions. With our help, you can unlock the full potential of operational excellence 2.0 and achieve a lasting competitive edge.

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Manufacturing's Next Act: Industry 5.0 Ushers in Human-Machine Collaboration

The future of manufacturing is collaborative! Industry 4.0 brought automation and data analysis, but Industry 5.0 takes it a step further. It's all about humans and machines working together.

Imagine factory machines constantly feeding data to powerful analytics tools, but with highly skilled workers using that data to solve problems and innovate. That's Industry 5.0!

While Industry 4.0 focused on efficiency, Industry 5.0 adds a focus on people and sustainability. AI and data will be used not just to boost production, but also to minimize waste and integrate eco-friendly practices. Collaboration across the entire manufacturing ecosystem, from workers and machines to companies and research institutions, will be key.

The benefits are numerous: greater efficiency, a greener industry, and faster innovation to keep pace with changing markets.

At QGSPL , we understand the transition to Industry 5.0. We offer a variety of solutions to help manufacturers embrace human-machine collaboration, implement sustainable practices, and foster a culture of innovation. From skills development programs to cutting-edge data analytics tools, we can help your business navigate the future of manufacturing and achieve a significant competitive edge.

Automation & IIoT
Industry 5.0
Ushers in a New Era of Human-Centric Contributions to Production Processes

Computers are critical to Industry 4.0 and 5.0, but human workers and their creativity are still vital as well.

Karn Vitthayanukarun/Dreamstime

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NOVEMBER 2022 MACHINE DESIGN

Data Drives the AI Revolution: Big Tech Scrambles for Training Fuel

Data is the new gold in the race for artificial intelligence (AI). Tech giants are fiercely competing to acquire the most valuable resource for AI development: training data. This data fuels AI's ability to learn, improve, and perform tasks like personalizing your online shopping or holding engaging conversations.

The article highlights the importance of data in these ways:

- **Hyper-Personalized Experiences:** Imagine an online store anticipating your needs before you even search. That's the power of AI trained on massive amounts of user data.
- **Revolutionizing Industries:** From healthcare diagnostics to financial forecasting, AI trained on relevant datasets can unlock groundbreaking advancements across various sectors.
- **Pushing Language Processing Boundaries:** Machine translation that feels natural and chatbots that hold engaging conversations are all achievable with the right AI training data.

However, the future of AI isn't just about having the most data. The article emphasizes responsible data collection and utilization:

- **Collaboration is Key:** The future of AI hinges on collaboration between Big Tech, research institutions, and data privacy advocates.
- **Ethical and Responsible Use:** Ensuring AI development is done ethically and responsibly is crucial for its long-term benefit to society.

In conclusion, the race for AI training data is on, but it's not just about quantity. How data is collected, used, and protected will determine the future of AI and its impact on the world.

How can QGSPL help?
At QGSPL, we understand the challenges and opportunities surrounding AI training data. We offer a comprehensive suite of services to help you navigate this complex landscape. From developing ethical data collection strategies to ensuring data security and privacy, we can help your organization harness the power of AI responsibly and achieve your strategic goals.
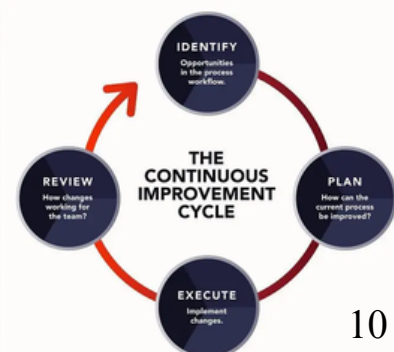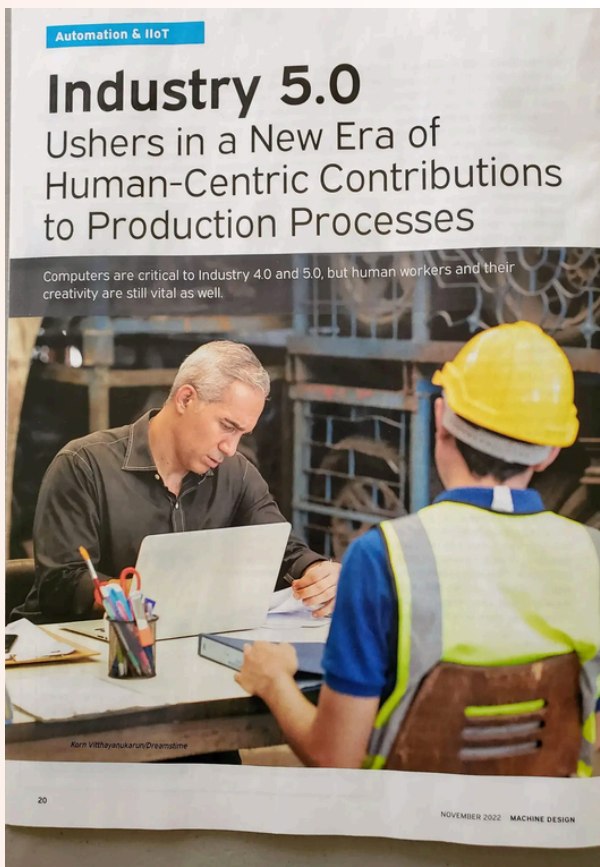
AI Supercharges Lean Six Sigma: Faster, Smarter Process Improvement

A new European Commission report reveals a troubling gap between real-world car emissions and those measured in lab tests [1]. This raises concerns about the effectiveness of current regulations and the true environmental impact of vehicles.

The report analyzed data from over 600,000 cars and vans, finding significant discrepancies. Real-world emissions were around 20% higher for both diesel and petrol cars compared to lab results. Plug-in hybrids (PHEVs) fared even worse, emitting 3.5 times more CO_2 on the road.

Several factors could explain this gap, including driving style, traffic conditions, and weather. For PHEVs, the data suggests drivers might not be maximizing electric driving, relying more on gasoline than anticipated during testing.

These findings have significant implications. Stricter regulations based on real-world driving conditions are likely needed. Additionally, current emission reduction targets might require revision. Consumer education on efficient driving practices, particularly for PHEVs, is also crucial.

The report is a wake-up call for a more realistic approach to measuring and reducing car emissions. The European Commission is likely to consider these findings when revising regulations, and car manufacturers might need to adapt testing procedures. Consumers can play their part by choosing fuel-efficient vehicles and adopting eco-friendly driving habits.

At QGSPL, we are committed to a cleaner future. We offer a variety of services to help businesses and consumers navigate the path towards sustainable transportation. From providing expert advice on fuel-efficient vehicles to developing educational programs on eco-friendly driving practices, we can empower you to make a positive impact. Let's work together to bridge the gap between lab results and real-world emissions

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Upcoming Training Programmes

July 08-12, 2024
ISO 9001 Lead Auditor

July 16-20, 2024
Six Sigma Green Belt

July 22-26, 2024
ISO 45001 Lead Auditor

Starting from July 26th
Six Sigma Black Belt

August 05-09, 2024
ISO 14001 Lead Auditor

August 09-10, 2024
IMS Internal Auditor
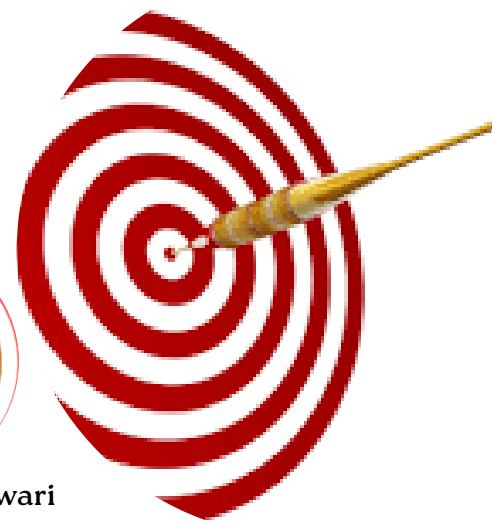
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HOW EFFECTIVE OBJECTIVE AND KPI MANAGEMENT LEADS TO ORGANIZATIONAL SUCCESS : A MANAGEMENT PERSPECTIVE

Mr. Surendra P. Tiwari
Director, QGS Group

In today's competitive business environment, organizations must continually strive for excellence to stay ahead. One crucial aspect of achieving and maintaining a high level of performance is the effective management of objectives and Key Performance Indicators (KPIs). This approach ensures that all team members are aligned with the company's strategic goals, fosters accountability, and enables data-driven decision-making. This article explores the significance of objectives and KPI management, the benefits they bring, and strategies for their effective implementation.

The Importance of Objectives and KPIs

Defining Objectives

Objectives are specific, measurable goals that organizations set to achieve their long-term vision. They provide direction, focus efforts, and serve as benchmarks for success. Well-defined objectives are SMART: Specific, Measurable, Achievable, Relevant, and Time-bound.

Understanding KPIs

Key Performance Indicators (KPIs) are quantifiable metrics used to evaluate the success of an organization in achieving its objectives. KPIs provide a clear picture of performance and highlight areas needing improvement. They can be financial, such as revenue growth, or non-financial, such as customer satisfaction or employee engagement.

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The Benefits of Effective Objective and KPI Management

Alignment and Focus

Effective management of objectives and KPIs ensures that all employees are aligned with the organization's goals. This alignment fosters a unified effort toward common targets, reducing redundancy and improving overall efficiency. When everyone understands what needs to be achieved, and how their contributions fit into the bigger picture, motivation and productivity are enhanced.

Data-Driven Decision Making

KPIs provide concrete data that managers can use to make informed decisions. This data-driven approach eliminates guesswork and allows for precise adjustments to strategies and operations. By continually monitoring KPIs, organizations can quickly identify trends, opportunities, and potential issues, enabling proactive management.

Accountability and Transparency

When objectives and KPIs are clearly defined and communicated, accountability increases. Employees understand what is expected of them and can be held responsible for their performance.

Continual Improvement

The regular review of KPIs encourages a culture of continual improvement. By analyzing performance data, organizations can identify areas for improvement and implement corrective actions.

Strategies for Effective Objective and KPI Management

Setting Clear and Aligned Objectives

The first step in effective management is setting clear objectives that align with the organization's mission and vision. These objectives should be cascaded down to all levels of the organization, ensuring that each department and employee understands their role in achieving them.

Leveraging Technology

Technology plays a significant role in effective objective and KPI management. Performance management software and dashboards can automate data collection, analysis, and reporting, making it easier to track progress in real time. These tools also facilitate communication and collaboration across teams.

Encouraging a Performance-Oriented Culture

Finally, fostering a performance-oriented culture is key. This involves recognizing and rewarding achievements, providing constructive feedback, and encouraging innovation and problem-solving. When employees feel valued and empowered, they are more likely to take ownership of their performance and contribute to the organization's success.

Regular Monitoring and Reporting

Consistent monitoring and reporting of KPIs are essential. This involves establishing a regular review process where performance data is analyzed, and insights are shared with relevant stakeholders. This practice keeps everyone informed and engaged with the organization's progress.

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Transforming Modern Manufacturing with Lean Digital 3P Approaches

In the era of digital transformation (DX), traditional manufacturing principles are evolving. One standout methodology is the lean 3P approach—Production, Preparation, and Process—which focuses on designing efficient, waste-free production processes through cross-functional collaboration. Today, lean digital 3P approaches integrate advanced technologies to optimize operations beyond traditional methods.

Traditional vs. Digital 3P Approaches -
Traditional 3P methods use physical mockups, like notecards or cardboard models, to design processes. While effective, these methods are limited by location and physical constraints. Lean digital 3P approaches, however, leverage IIoT (Industrial Internet of Things) systems and digital twins—virtual replicas of physical systems—to simulate real-world conditions. This enables remote collaboration and dynamic, data-driven process design.

Enhanced Collaboration and Innovation -
Lean digital 3P approaches foster enhanced teamwork by providing a shared digital platform. Stakeholders can interact with virtual models, analyze real-time data, and quickly iterate on process designs. This integration allows machine operators, maintenance personnel, and process engineers to collaboratively optimize performance and reduce inefficiencies.

Adaptability to Modern Challenges -
The adaptability of lean digital 3P approaches is crucial in today's rapidly changing industrial landscape. These methods help organizations respond to supply-chain disruptions, skilled labor shortages, and economic shifts. During the COVID-19 pandemic, for instance, lean digital 3P approaches enabled companies to quickly adjust processes, implement new safety protocols, and meet production demands with minimal disruption.

Integration with Advanced Technologies -
Lean digital 3P approaches seamlessly integrate with other lean methodologies, such as Six Sigma and Kanban. By incorporating real-time data analytics, machine learning, and predictive maintenance technologies, these approaches address traditional waste issues more effectively. Predictive maintenance, for example, uses machine learning to schedule service calls proactively, minimizing downtime and extending equipment lifespan.

Lean digital 3P approaches represent the future of manufacturing efficiency and resilience. By combining DX technologies with lean principles, these methods drive continuous improvement, innovation, and adaptability. Embracing lean digital 3P approaches enables organizations to design optimized, cost-effective processes that respond swiftly to ever-changing market conditions.

INDUSTRY NEWS

AUTOMOBILE

After Passenger vehicle sales in India grew 8.4% to 4.2 million units and two-wheeler sales rose 13.3% to 17.9 million units in FY23-24, there has been mounting inventory as sales are slow due to heat waves and the long election season. Carmakers and dealers are offering incentives through discounts, exchange bonuses, and assured gifts to the tune of 5-11% - the highest in five years - to tempt buyers. The offers aren't just on older models launched two to three years ago but even on those that went on sale barely a year ago, depending on fuel type, variants, and brands. They cut across all body types - from hatchbacks and sedans to SUVs. The Society for Indian Automobile Industry (SIAM) wrote to the government requesting to Reduce Goods and Services Tax (GST) on two-wheelers from 28% to 18% on fueled vehicles and from 18% to 5% on EVs and an additional 3% cess levied on higher CC bikes.

@economic times

A new regulation requires companies to pay MSMEs within 45 days to avoid tax penalties.

India's auto exports declined 5.5% to 4.5 million units in FY23-24 due to overseas economic issues. Many automobile companies look to innovate with Honda opening a new engine line in India for exports, focusing on efficiency, Ashok Leyland partnership with Minus Zero to develop autonomous trucks in India, and Bajaj Auto planning to launch the world's first CNG motorcycle.

Electric Vehicles

The government launched a new program (EMPS 2024) to subsidize electric vehicles along with the Scheme of Manufacturing Electric Cars (SMEC) and Faster Adoption and Manufacturing of EVs (FAME).

The objectives of the FAME India Scheme are –

- To accelerate the adoption of electric vehicles by lessening the initial investment.
- To encourage electric vehicle manufacturers, suppliers, and related providers to produce a greater number of electric automobiles in the country.
- To reduce the country's vehicular emissions and bring down the levels of air pollution.
- To develop electric charging infrastructure across the country.
- To convert 30% of overall transportation to electric vehicles by 2030.

Mahindra group to partner with global companies to make battery cells for EV's.

MANUFACTURING INDUSTRY

Manufacturing sector looks for policy continuity, fresh PLI'S and capital infusion. Buoyed by Production linked incentive apple exports iPhones 16500cr ($2 bn) ended 2024 with $14 billion iPhone product.

Food companies like Real, Natural, Paper Boat to remove 100% fruit juice claim for labels and add sweetened juice in their packaging if nutritive sweeteners exceed 15 gm/kg. HUL Reduces palm oil content soap by 25% to reduce prices and environment impact.

CYBER- SECURITY

The government has launched strong cybersecurity measures to protect critical infrastructure and mitigate cyber threats. This includes global partnerships, promoting innovation, and developing robust frameworks across sectors to ensure compliance and foster a secure digital environment essential for national security and economic growth.

ROADS AND TRANSPORT

Road construction companies to get more national highway orders.

POWER

Coal output increase by 10% in May. Refined fuel oil, crude and naphtha - Russian Petro goods in India rise to 14%.

Essar to invest 30,000 crores for green H2 plant in Jamnagar.

Masdar Energy UAE, Singapore Sembcorp, JSW Energy, Torrent Power, Sakura Energy to acquire 760 MW of operational assets in India that have been put on block by Italy's Enel Group. HSBC advised to sell.

AVIATION

With India's share in global aviation is 1.8%, IGIA New Delhi Airport seeks to give Indian carrier preference by limiting the number of seats of overseas airlines. Emirates has the largest foreign stake in India. IGIA airport to host AGM of International Air Transport Association in 2025 after 1956 & 1983.

IT and Quick commerce

IT companies like TechMahindra, Wipro, HCLTech, LTI MindTrree replicating startup's - appointing CGO - Chief Growth Officer. Their role is a mix of sales, marketing, and operations. CGOs directly report to the CEOs. Other domain includes producs and solution, strategy, corporate development and finance.

Quick Commerce growing. Zepto making 3.6$ billion after receiving funding of 665$ million.

Zomato to acquire Paytm Cinema business.

DPIIT - Department of Industry and Internal Trade to focus on easing early stage funding for startups and reducing compliance burdens on business and overall logistics cost.

India to Ease Visa Norms for Chinese Technicians, Expand Scope beyond PLI Sectors

According to a media report published on June 17, India will grant visas under new standard operating procedures (SOPs) to technicians from China for around six months. The time period is considered sufficient for foreign technicians to install the machinery at a facility and train Indian workers in its operations (installation, repair, and use).

As per a government official, India is trying to create a better and more streamlined SOP and is hoping to roll it out after receiving clearance from the Inter-Ministerial Committee (IMC) for capital goods. The IMC was formed in 2020 to address issues and bottlenecks in the capital goods (CG) sector.

INDUSTRY NEWS

It comprises representatives from all relevant Ministries and Departments and meets regularly to discuss and resolve sector-related challenges.

FALLOUT
- 4,000-5,000 visa applications of Chinese nationals pending
- Chinese executives apprehensive of coming to India, fearing arrests and interrogations
- Chinese companies stopping planned expansion in India.

MISSED OPPORTUNITY
- Domestic value addition could have increased to 22-23% from 18% currently
- Value addition Loss: $2 billion.

DEPENDENCY
- 44% of $89.8 billion imports of electronics, telecom, and electrical products in FY24 from China
- Import of diodes, transistors, and similar semiconductor devices up from $166.1 million in 2007-2019 to $4.2 billion in FY24
- China's share rose to 67.5% during the period

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Sustainable Pathways: Securing India's Business Future

The Urgency of Sustainability

The World Economic Forum's Global Risks Report underscores the severity of today's polycrises, where the combined effect of disparate crises far exceeds the sum of their parts. In India, this manifests in unprecedented environmental challenges, health crises, rising inequalities, and growing social conflicts. Addressing these issues through sustainable development is not just desirable but essential.

The Role of India's Millennial and Gen Z Consumers

India's millennial and Gen Z consumers are leading the charge towards sustainability. They are more environmentally conscious than their counterparts in developed markets like France, Germany, and the US, as revealed by the Credit Suisse Research Institute's Sustainable Consumer Survey of 2022. These consumers are more likely to purchase sustainable products, yet they are also highly skeptical of corporate sustainability claims. This dual characteristic emphasizes the need for genuine and transparent ESG practices in businesses aiming to capture this demographic.

Practical Steps for Businesses to Embrace Sustainability

1. Transition to Green Offices: The buildings and construction sector accounts for about 22% of India's total emissions. Transitioning to green buildings—designed to be energy-efficient, water-conserving, and waste-minimizing—can significantly reduce a company's carbon footprint. Additionally, integrating renewable energy sources through net metering can further lower environmental impact.

2. Promote Responsible Consumption and Waste Management: Companies can adopt simple measures to reduce their environmental impact, such as switching to LED lighting, using energy-efficient appliances, recycling grey water, and minimizing plastic use. Digitalization can also help reduce paper consumption. Proper management of e-waste is crucial to mitigate the environmental impact of discarded electronic devices.
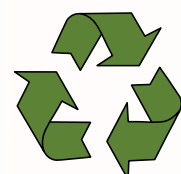
3. Innovate Sustainable Products: Innovation in sustainable products is essential. For instance, the demand for electric vehicles and slow fashion in India is on the rise. In the insurance sector, parametric insurance and health-tracking wearables are gaining traction. Developing products that align with sustainability principles can meet consumer demand and drive business growth.
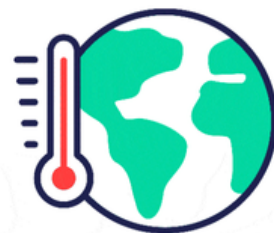
Balancing Growth and Sustainability -

Balancing growth with sustainability is challenging but essential for India. Sustainable business models offer significant benefits, including risk mitigation and enhanced reputation. Starting with small, achievable goals and expanding ESG practices is key.

Sustainability is now a business imperative. By integrating ESG practices, companies can navigate complex crises, meet evolving consumer expectations, and achieve long-term success, driving innovation and growth in a rapidly changing world.

CCSL

1. Decarbonization, Carbon Neutrality, Carbon-offsetting and Net-Zero strategy

2. Developing a Systematic Approach to ESG

3. ESG Reporting

4. Development of Sustainable Practices

5. Training and Capacity Building

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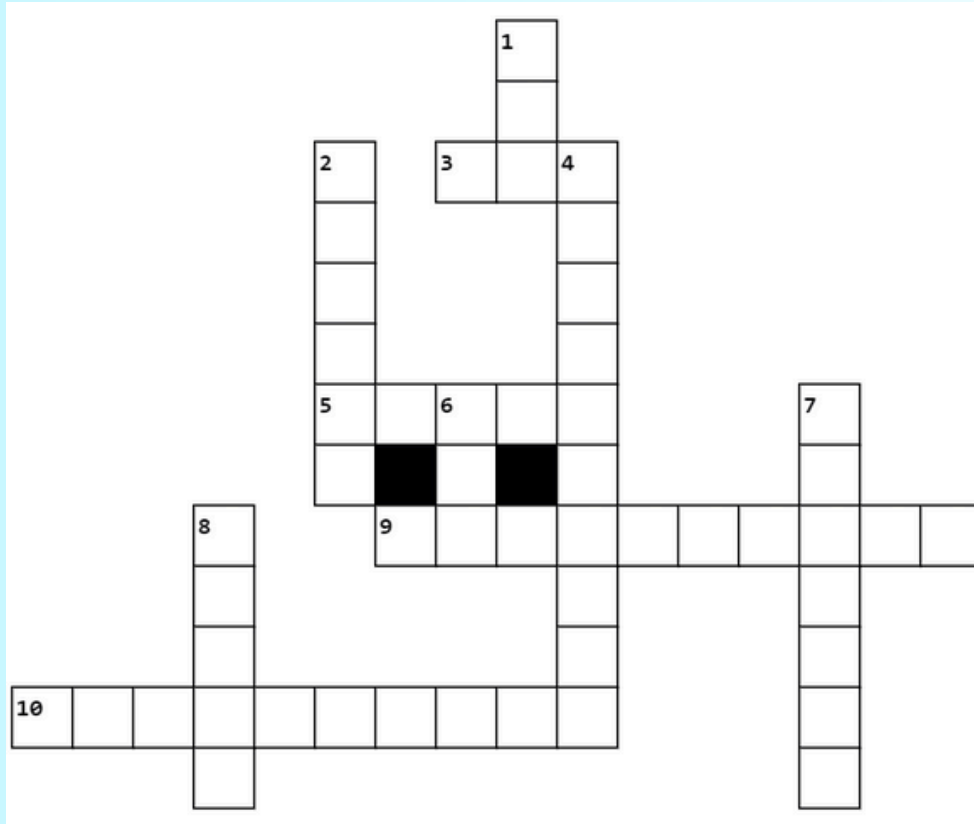
Over 12,000 hours of **Training Conducted**

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Quality & Management Systems Crossword

Across

3. - International standard for food safety management

5. - Methodology for continuously improving processes through iterative development

9. - Process of minimizing variability in manufacturing and business processes

10. - A model used for achieving business excellence

Down

1. - Technique used in Lean for maintaining equipment efficiency

2. - Visual workflow management method in Lean

4. - An approach to maintaining equipment reliability and performance through proactive measures

6. - The acronym for International Organization for Standardization

7. - ISO standard related to quality management systems

8. - Certification level for advanced practitioners in Lean Six Sigma

WANT TO GET FEATURED ?

Send in your answers at info@qgspl.com
The First 5 correct answers will be featured in the next issue

[ISSUE - 1 Mentions - 1) Kefyalew kebede 2) Tenesgan admasu 3) Kefargachew Kassahun 4) Segni Dadi 5) Tesfaye Shifera 6) Avnish Akarsh]

Answers of Last Edition
Across -
1] ISO, 3] Kaizen, 6] Baldridge, 8] QMS, 9] SMED, 10] Lean.
Down -
2] Maintenance, 4] Six Sigma, 5] Yellow, 7] ISO14001

BIS introduces new safety standards for EVs.

In a move to bolster safety and public confidence, India has implemented new regulations for electric vehicles (EVs). The Bureau of Indian Standards (BIS) is spearheading this initiative, introducing a range of standards applicable to various EV categories.

What categories of EVs are covered by these regulations?

These categories encompass two-wheelers (L), four-wheelers (M), and goods trucks (N). The focus is on enhancing overall EV safety and performance, ensuring a smooth transition towards a more sustainable transportation system in India.

What specific components of the powertrain are these standards focusing on?

The newly introduced standards, IS 18590: 2024 and IS 18606: 2024, place particular emphasis on the vital powertrain components of electric vehicles. This includes the electric motor and transmission, critical elements for safe and reliable operation.

How does the BIS address the safety concerns surrounding the growing popularity of electric three-wheelers and low-speed electric vehicles?

the BIS has also established a separate standard – IS 18294: 2023. This standard outlines specific safety requirements for these electric vehicles, encompassing construction and operational aspects.

Looking beyond the immediate safety regulations, the Indian government is proactively addressing another key concern – a standardized charging protocol for EVs. This initiative aims to tackle the issue of inconsistency within the current EV charging infrastructure, ensuring seamless charging experiences for electric vehicle owners across the country. These combined efforts from the BIS and the government pave the way for a safer and more efficient electric vehicle ecosystem in India.

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Tickle Your Funny Bone : Industry Laughs and Giggles

PRODUCTIVITY

Breaking News

"The new industry trend is to take a coffee break every 30 minutes. When asked for a comment, a spokesperson said, 'We're just trying to keep up with the grind!'"

"In the world of manufacturing, it's said that if you drop a component, it will always roll to the most inaccessible corner of the factory floor. Scientists are still baffled by this phenomenon"

SUSTAINABILITY

Sustainability World Fun Fact

"Why did the recycling bin go to therapy? Because it felt like it was just going in circles!"

New ISO Standards

"Why did the ISO standard go to school? To become more standardized!"

EFFECTIVE PROJECT MANAGEMENT AND ITS IMPLEMENTATION IN THE INDUSTRY

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In today's fast-paced and highly competitive business environment, effective project management is not just a necessity but a critical determinant of success. Project management involves planning, organizing, and managing resources to bring about the successful completion of specific project goals and objectives. This article delves into the principles of effective project management and how its implementation can lead to enhanced productivity and efficiency in the industry.

The Principles of Effective Project Management

1. **Clear Objectives and Goals**: Every project must start with clearly defined objectives and goals. These serve as the foundation for all subsequent planning and execution. Without clear goals, a project can easily lose direction, leading to wasted resources and unmet expectations.

2. **Comprehensive Planning**: Planning is the cornerstone of project management. A detailed project plan outlines the scope, timelines, budget, resources, and risk management strategies. It serves as a roadmap, guiding the project team through each phase of the project lifecycle.

3 .**Effective Communication**: Communication is vital to the success of any project. It ensures that all stakeholders are on the same page, facilitates problem-solving, and fosters collaboration. Regular updates and meetings help to keep everyone informed and engaged.

4. **Resource Management:** Efficient use of resources—be it time, money, or manpower—is crucial. Proper allocation and management of resources prevent bottlenecks and ensure that the project progresses smoothly.

5. **Risk Management:** Every project comes with its own set of risks. Identifying potential risks early and developing mitigation strategies is essential to minimize their impact. Proactive risk management can save a project from significant setbacks.

6. **Flexibility and Adaptability:** Projects rarely go exactly as planned. Flexibility allows project managers to adapt to changes and unforeseen challenges. Being adaptable ensures that the project can continue to move forward, even when obstacles arise.

7. **Performance Monitoring and Evaluation:** Continuous monitoring and evaluation of the project's progress are necessary to ensure that it stays on track. Performance metrics and regular reviews help identify areas that need adjustment and provide insights for future projects.

IMPLEMENTING EFFECTIVE PROJECT MANAGEMENT PRACTICES IN THE INDUSTRY INVOLVES A COMBINATION OF STRATEGIC PLANNING, USE OF TECHNOLOGY, AND FOSTERING A CULTURE OF CONTINUOUS IMPROVEMENT

STRATEGIC PLANNING AND ALIGNMENT

Aligning projects with the strategic goals of the organization is the first step in effective project management. This alignment ensures that every project contributes to the overarching objectives of the business. Strategic planning involves setting priorities, allocating resources, and ensuring that all projects are geared towards achieving business success.

USE OF PROJECT MANAGEMENT TOOLS AND SOFTWARE

In the digital age, project management tools and software have become indispensable. These tools offer features like task scheduling, resource allocation, budget management, and real-time collaboration. Popular tools such as Microsoft Project, Trello, Asana, and Jira enable project managers to streamline processes, enhance productivity, and maintain control over complex projects.

BUILDING A COMPETENT PROJECT TEAM

A project is only as good as the team executing it. Building a competent project team involves selecting individuals with the right skills and expertise. Effective project managers understand the strengths and weaknesses of their team members and assign tasks accordingly. Training and development programs also play a critical role in enhancing the team's capabilities.

ESTABLISHING CLEAR COMMUNICATION CHANNELS

Establishing clear communication channels is essential for effective project management. This includes regular team meetings, progress reports, and an open-door policy for feedback and suggestions. Clear communication helps in identifying issues early, fostering collaboration, and ensuring that everyone is working towards the same goals.

EMBRACING AGILE METHODOLOGIES

Agile project management methodologies, such as Scrum and Kanban, have gained popularity for their flexibility and iterative approach. Agile methodologies emphasize collaboration, customer feedback, and small, frequent releases. This approach allows for continuous improvement and adaptation, making it well-suited for dynamic and fast-changing industries.

Effective project management is the backbone of successful industrial operations. By adhering to fundamental principles such as clear objectives, comprehensive planning, effective communication, resource management, risk management, flexibility, and performance monitoring, organizations can achieve their project goals efficiently. The implementation of these practices, supported by strategic planning, modern tools, competent teams, agile methodologies, continuous improvement, and stakeholder engagement, ensures that projects not only meet but exceed expectations. As industries continue to evolve, the role of effective project management in driving growth and innovation becomes increasingly paramount.

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Quality management

Organiz

Standard

ISO 9001

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Requirem

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Paving the Way : OHSE Excellence in Road Construction

Occupational Health, Safety, and Environment (OHSE) Management System are paramount considerations in the construction industry. With projects becoming more complex and demanding, it is crucial to implement strong OHSE practices to protect the well-being of workers, the environment, and the surrounding communities. The following below mention ways can paving the way to build a strong culture in road construction.

WORKER SAFETY AND WELFARE

Construction sites can be hazardous due to heavy machinery, heights, and potentially harmful materials. Prioritizing worker safety is not just a moral obligation but also a legal requirement. A complete OHSE planning ensures that safety protocols, proper equipment, and regular training are in place to minimize accidents and injuries, promoting a workplace safety culture.

JOGENDER KUMAR
CHIEF CONSULTANT & TRAINER
(Quality growth services)

1

ENVIRONMENTAL PROTECTION

Construction activities can have a significant impact on the environment, including air and water pollution, habitat disruption, and waste generation. Effective OHSE management integrates environmental considerations into the project's planning and execution phases.

2

REGULATORY COMPLIANCE

Governments and regulatory bodies impose stringent rules and regulations to safeguard workers and the environment. Construction companies must adhere to these standards to obtain necessary permits and avoid legal complications. OHSE protocols ensure that projects are compliant with relevant laws and regulations, protecting the interests of both stakeholders and the public.

3

RISK ASSESSMENT AND MITIGATION

Conducting thorough risk assessments before commencing any construction project is essential. Identifying potential hazards and implementing mitigation measures prevent accidents and ensure the safety of workers and nearby communities.

4

ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT AND MITIGATION

Environmental and Social impact assessment refers to the detailed evaluation of the environmental and social impacts of the planned project and identified alternatives, compared to the baseline conditions. Mitigation refers to minimizing or avoiding the described impacts. Mitigation measures are actions or project design features that help to reduce, eliminate or control a project's adverse effects.

5

TRAINING AND EDUCATION

Workers must be well-informed about OHSE procedures and instructions. Regular trainings and tool box talk train them with the knowledge and skills to handle construction tasks safely.

6

SAFETY AND PERSONAL PROTECTIVE EQUIPMENT

Providing workers with appropriate safety and personal protective equipment is essential. Ensuring the proper use and maintenance of safety equipment are equally important components of an effective OHSE program.

7

EMERGENCY RESPONSE AND PREPAREDNESS

Having well-defined emergency response plans is always helpful, a prompt and efficient response can make a significant difference in preventing further harm. Regular mock drills help workers and supervisors handle emergency situations effectively.

8

SUSTAINABLE PRACTICES AND GREEN BUILDING INITIATIVES

Integrating sustainability principles into construction projects demonstrates a commitment to environmental responsibility. Adopting green building practices, such as energy-efficient designs, renewable materials, and waste reduction strategies, contributes to a more sustainable construction industry.

By adopting an OHSE program, construction projects can not only attain exceptional safety standards but also promote sustainable development and contribute to a better future for all stakeholders involved.

At QGSPL, we understand the need for worker safety above all and offer extensive program for the betterment of both your company and workers for achieving strategic goals. After all safety is always first! Reach out to us for hands on training for such programs.

TO EFFECTIVELY MANAGE THE INFORMATION IN THIS ERA OF SOCIAL MEDIA VULNERABILITY

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In an age where social media permeates every aspect of our personal and professional lives, information security has become a critical concern. Social media platforms, while offering numerous benefits, also pose significant risks to the security of sensitive information. With the rise of cyber threats and data breaches, organizations must adopt robust strategies to protect their information assets. This article explores effective ways to manage information security amidst the vulnerabilities introduced by social media.

Understanding Social Media Vulnerabilities

Social media platforms are a double-edged sword. They facilitate communication, marketing, and networking but also expose users to various security threats. Common vulnerabilities include:

1. Phishing Attacks: Cybercriminals use social media to launch phishing attacks tricking users into divulging sensitive information such as passwords and financial details.

2. Social Engineering: Attackers exploit personal information shared on social media to manipulate individuals into compromising security.

3. Data Leakage: Inadvertent sharing of sensitive information by employees can lead to data breaches.

4. Malware Distribution: Social media links and ads can serve as vectors for malware, infecting users' devices and networks.

Strategies for Effective Information Security Management

Develop a Comprehensive Security Policy

A well-defined information security policy is the cornerstone of effective management. This policy should outline the acceptable use of ocial media, data protection protocols, and procedures for responding s to security incidents. It should be regularly reviewed and updated to address emerging threats.

Conduct Regular Training and Awareness Programs

Educating employees about the risks associated with social media is crucial. Regular training sessions can help employees recognize phishing attempts, avoid sharing sensitive information, and understand the importance of strong passwords and multifactor authentication. Awareness programs should emphasize the potential consequences of security lapses and encourage a culture of vigilance.

Implement Strong Access Controls

Access to sensitive information should be restricted based on the principle of least privilege. Employees should only have access to the data necessary for their roles. Implementing strong access controls, such as role-based access control (RBAC) and multifactor authentication (MFA), can significantly reduce the risk of unauthorized access.

30

Monitor Social Media Activity

Organizations should actively monitor social media activity for signs of security threats. This includes scanning for mentions of the company, its employees, and its products to detect potential phishing attempts or data leaks. Advanced monitoring tools can automate this process, providing real-time alerts and analysis.

Use Encryption and Secure Communication Channels

Encrypting sensitive data both in transit and at rest adds an extra layer of protection against unauthorized access. Secure communication channels, such as virtual private networks (VPNs) and encrypted messaging apps, should be used for sharing sensitive information.

Establish Incident Response Plans

Despite the best preventive measures, security incidents can still occur. Having a robust incident response plan in place ensures that the organization can quickly and effectively respond to breaches. The plan should include steps for containment, eradication, recovery, and communication with stakeholders.

Leverage Security Technologies

Investing in advanced security technologies can enhance an organization's ability to detect and respond to threats. Tools such as intrusion detection systems (IDS), intrusion prevention systems (IPS), and security information and event management (SIEM) systems provide comprehensive visibility into network activity and help identify suspicious behaviour.

Foster a Security-First Culture

Creating a culture that prioritizes security is essential for long-term success. Leadership should demonstrate a commitment to security by allocating resources, supporting security initiatives, and encouraging open communication about security concerns. Employees should feel empowered to report suspicious activity without fear of retribution.

Regularly Assess and Improve Security Posture

Continuous assessment and improvement of the organization's security posture are vital. Regular security audits, vulnerability assessments, and penetration testing help identify weaknesses and areas for improvement. Staying informed about the latest threats and security trends ensures that the organization can adapt its strategies accordingly.

In the era of social media vulnerability, managing information security effectively requires a multifaceted approach. By developing comprehensive policies, conducting regular training, implementing strong access controls, monitoring social media activity, using encryption, establishing incident response plans, leveraging security technologies, fostering a security-first culture, and continuously assessing the security posture, organizations can mitigate the risks associated with social media and protect their valuable information assets. As cyber threats continue to evolve, staying vigilant and proactive is key to maintaining robust information security.

An organization is nothing but a composite of individuals.
The collective behavior of individuals called as culture.

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