Project Management Institute Mumbai

PRAKALP
JUNE 2024

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INDEX

The Mumbai Chapter is dedicated to advancing the practice, science, and professionalism of project management in Mumbai and the surrounding region. The Chapter has grown to a membership of more than 1500 professionals and students in various professional industries like public service, defence, health and construction.

Our Vision

"To be recognized as the organization of choice by evangelizing Project Management"

Our Mission

- Evangelize Project Management across industry, academia, community, and Government.
- Provide a forum for Project Management professionals to promote the principles and ethical standards of PMI.
- Promote networking among professionals, sharing project experiences and best practices, imparting training, and enabling PMI certifications and ultimately enhancing quality of life.
- Provide infrastructural facilities like library, portal & knowledge repositories.

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President's Muse – **June 2024**

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Dear Project Management Colleagues,

The theme of this edition of the Prakalp is "Sustainable Projects." We recognize that within the waste hierarchy, there are six fundamental principles of sustainability: rethink, refuse, reduce, reuse, repair, and recycle.

Our authors have explored various topics, addressing different aspects of sustainability across domains such as Human Resources, Transport, Shipping, Environment/Ecology, Banking, and more.

Our flagship initiative, PMI Chapter Xchange, has grown impressively, expanding to 32 chapters from 26 last year. Our chapter Vice President, Ashfaq Ahmed has taken on the role of hosting this worldwide event, with participants from 45 countries, open to both members and non-members. This program, along with the book "The Xchange Effect: A Virtual Journey of Cross-Country Collaboration and Co-Creation," has elevated our chapter to a global stage, promoting knowledge sharing through collaboration.

Our social impact initiatives continue to make a significant difference. Programs like Saksham Samarth, Dnyansarita, Harith Dhara, and Beach Clean-up address 12 of the 17 goals of United Nations Sustainable Development Group through partnerships with organizations such as Cognizant's CSR wing, HWCT, Seva Sahayog, Sobus Insights Forum, Navjyoti India Foundation, HCIT, Inchpaper, and other social impact groups.

Our WOW (Women of Wonder) team, part of the PMI SAC Women Engagement Committee, has increased attendance from 60 to 90 members, highlighting our commitment to fostering diversity and inclusion in project management. The GROW initiative equips young project managers and students with essential career skills. Additionally, our ongoing membership engagement initiatives, such as PM Form and PM PITSTOP, continue to thrive.

The PMI Mumbai Chapter continues to advance the practice of project management in newer communities for learning and growth. Our MOU with VJTI has been followed by another one with MET, demonstrating our commitment to expanding partnerships with academia.

Our membership growth has been bolstered by the Single Membership Program piloted in India. Our membership pool has increased significantly, opening more opportunities for volunteering and new initiatives. We welcome all new members and salute our long-standing members who have contributed immensely to the current stature of our chapter.

The Board has enforced fiscal discipline to ensure that the corpus remains healthy and untouched despite challenges. Our chapter's finances are robust, and we intend to reinvest to benefit our members further. Thank you for your continued support and active participation.

We eagerly anticipate the PM Conclave-Nx 2024 in late October, hosted at IIT Bombay. Your participation will elevate our chapter's impact. Keep a close watch on announcements for further updates.

In conclusion, I am delighted to share some great news! The PMI Mumbai Chapter is witnessing history in the making. Our chapter has once again been nominated for the Chapter of the Year Award in 2024. This is the first time in our chapter's history that it has happened in two consecutive years, highlighting the value we have projected to the rest of the world at PMI. It also demonstrates the consistency of our operations in providing services to our community while testifying to the active involvement and spirit of volunteering among our members.

Dr. Oscar Leo D'souza
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Sustainable Projects

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Introduction

Today we are hearing a lot about this word 'Sustainability', adapting to a sustainable lifestyle, sustainable practices etc. NGOs, Business houses and corporate world is trying to implement various sustainable practices in various fields. So, what is this buzzword 'Sustainability' about?

From the name itself we can get an idea that it is about sustaining what we have. Sustaining or saving what we already have so that it continues to exist for our future and our future generations. Sustainability means saving or minimizing the use of resources for the future.

The three pillars of Sustainability

Sustainable practices either directly or indirectly effects the three major areas or dimensions of our life. These three areas are our Society or Social Welfare, the Economy or Economic benefits and the Environment or Environment protection. These three areas are also called the three P's of Sustainability i.e. the People, The Profits and the Planet.

Society/people

Environment/Planet

Sustainability

Economy/Profit
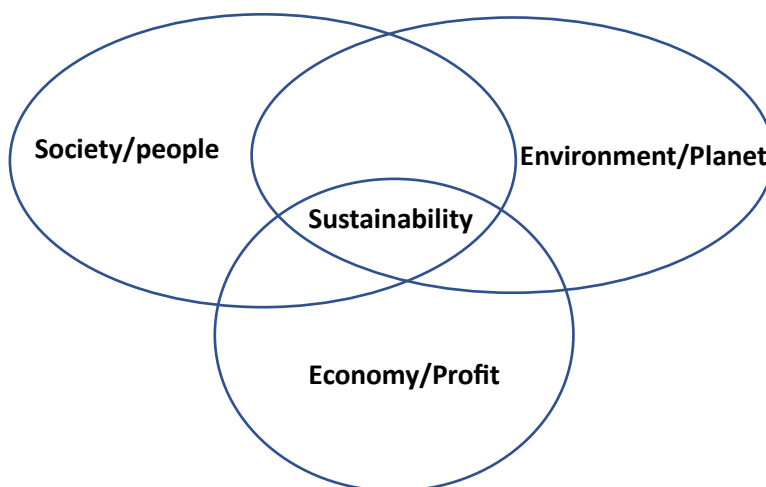
Innovations and Technological advances in Sustainability

Technological advancements and Innovative ideas of sustainable practices all over the world. There are numerous examples of sustainable practices and implementations. For example, the use of Solar energy in Solar Panels for generating electricity,

In our Housing complex where I reside, every residential unit has a room which is powered by the energy generated by the Solar Panels installed at the roof of the building. Using our natural resources to generate electricity is an excellent example of Renewable energy.

'Wind Energy' is also used since ages in various parts of the world, especially in the western world. The Windmills uses the force of winds to generate electricity through turbines. The usage of Wind Energy has also spread rapidly in other parts of the world and in India. The 'Sinnar Windmills' in Nashik are installed by the Government for the Maharashtra for using the high-speed winds in those areas to generate electricity.

The Adani Group's Renewable energy wing also known as 'Adani Green Energy Limited' is supposed to be India's largest and world's leading renewable energy solutions partner.

This group operates various solar, wind and hybrid renewable power plants in India.

Another example of renewable energy is the use of Hydropower for the generation of electricity. Power generation through water current/or the flow of water is a clean source of power generation because it does not generate any gases which would have adverse effect in our environment. Hydropower has the capacity to generate unlimited renewable energy. The 'Srisailam Dam' or the 'Neelam Sanjeeva Reddy Sagar Srisailam project' is an extraordinary project implemented by the Government of Telangana with the aim of generating Hydropower and conservation of the river water for irrigation. Today it boasts of being the second largest capacity working Hydro-electric station in the country with a capacity of generating hydropower of 1,670 megawatts.

On my recent visit to Sri Lanka, I went to the popular tourist place named 'Pinnawala Elephant Orphanage'. Sri Lanka is known for its Asian elephants. At Pinnawala, I found that a company named 'Eco Maximus' is recycling the Elephant waste gathered from the orphanage and other nearby elephant rescue centers and processing it to make paper. Since Elephant dung takes a long time to decompose, it is an efficient and excellent way of using it for creation of other usable products.

Sustainable practices in Agriculture and Urban Life

1) Rainwater Harvesting

Water conservation through rainwater harvesting is the usage, collection and storage of excess water for other purposes. Rainwater harvesting is done mainly in areas which see heavy downpour in rainy seasons. Excess water conserved for agriculture, can be used as a 'source of water' during dry seasons. 'Rainwater Harvesting' also saves us from floods during heavy rainfall.

2) Drip Irrigation

Drip irrigation is another sustainable practice in agriculture. Through drip irrigation, water is used more efficiently, optimally to avoid wastage of water.

3) Usage of organic and natural materials

Natural materials promote the quality of the soil with no side effects of chemicals or synthetic fertilizers. Not only in Agriculture, sustainable materials and practices are also used in Urban life. Urban gardening is largely dependent on the greenhouse effect. All major nurseries in cities use a greenhouse to keep their plants. A greenhouse maintains a favorable environment for the growth of plants.

I, myself love gardening and have a small balcony garden in my apartment. I use the left-over tea leaves and tea water as a manure for my rose plants which grow best in acidic soil. Tea leaves and tea water makes the soil acidic, and I get to see roses all throughout the year in my Balcony. I use various kitchen waste as manure for my plants. Instead of throwing them, I collect my kitchen waste and mix them in the soil of my plants.

4) Landscaping

In urban areas various new innovative landscaping techniques are aiming towards sustainability. Due to space restriction, we can see vertical gardens in many cities. In our residential area, we have four major sitting areas for residents. Each sitting area have a large green wall. A green wall saves space and reduces the wastage of water.

A greenhouse is also an excellent method of using sunlight to regulate the temperature and humidity of the atmosphere which is appropriate for the growth of plants. In urban areas, many nurseries install greenhouses to protect their plants. It is sustainable way of using our natural resources for creating a favorable environment for the growth of the plants.

5) Urban Transport

The invention of electric cars and automobiles has been another step towards sustainability. Many car and automobile manufacturers are making electric cars and releasing them in the market. These cars are not only environmentally friendly, but also pocket friendly as these cars are not run by expensive fuels.

6) Information Technology

In the IT industry, more and more companies are migrating their on-premises services and components to cloud. Using cloud technology reduces cost significantly, increases flexibility, increases collaboration, makes accessibility easier and data more secure.

According to Accenture, moving from on premise infrastructure to public cloud can also reduce 59 million tons of CO_2 emissions per year, which is about 6% reduction in total IT emissions.

By moving to cloud, a company can fulfil its own commitments towards 'sustainability' which is also a part of 'corporate social responsibility'.

I was working on a project in my office. It was a web application with client and server technology. The web application had a home page with different links to four sub-components of the application.

A user would login to the application from the login page and land on the home page. Each sub-component had a different functional significance.

We found out that many of our customers were using only one component in the application. For them, the other links in the home page were not visible. These users were facing a lot of issues in accessing the application. To make their life easier, we decided to migrate the component used by them to AWS cloud. We implemented a lift and shift migration from on premise to AWS cloud and kept the other components on premise.

We incorporated AWS authentication services to login to the component. So, the component in cloud had a separate signup and login processes. This simple migration made it easy for users of the component to login to the application only with AWS credentials without having to login to the main application. For the other users who needed access to all the components of the application, they continued with logging to the main application and landing on the home page, and then accessing the sub-components by clicking on the respective links.

This migration led to reduction in the maintenance cost of the application, freed on premise server space and increased the efficiency of the whole application.

Challenges in Sustainability

Although 'Sustainable' practices are gaining popularity, implementation of sustainable practices also comes with many hurdles and challenges. Below are the main areas in which people face challenges.

1) Individual opinion and reluctance for change

By nature, human beings show an initial reluctance for making a significant change in their way of life. This reluctance can be overcome by spreading awareness of the benefits of sustainability and sustainable practices. NGOs should come forward in educating people and spreading awareness among people about sustainability.

2) Lack of facility and financial constraints

Lack of proper facility and high cost can be a hurdle for people to follow sustainable practices. For example, users of electric cars find it difficult to drive too long distance because of lack of a charging point in many areas. Similarly, installation and maintenance of greenhouses can be technologically challenging and very expensive.

Government should finance the development of sustainable infrastructures and give some financial benefits to organizations, companies and small businesses for implementation of sustainable practices.

3) Lack of rules and regulations for sustainability

Sustainable practices are still not made mandatory by Government. Though there was a global ban on single-used plastic, many people are still using plastic in household, shops and markets.

Though corporates are contributing towards sustainability through CSR activities. These CSR activities were made mandatory for companies by Government of India in 2013.

In addition to this, Government can set mandatory standards and regulations for sustainability practices in various sections of society.

Conclusion

In conclusion, sustainability is gaining popularity and through sustainable practices people, companies, farmers and government can fulfill their commitment towards a better world.

For a better future, with a healthy team

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Audience: Project Managers & Stakeholders

Purpose: To highlight an important aspect, which is a significant factor in a team's well-being & the environment.

As project managers, we're driven by efficiency and results. But in today's world, success goes beyond simply delivering on time and within budget. Sustainable projects, those that consider environmental, social, and economic impacts, are becoming the new standard. This article will equip you, the experienced project manager, with the knowledge and tools to champion sustainability in your projects. We'll delve into the core principles, explore successful examples, and provide practical tips for integrating sustainability into your project management framework. Seems a good start but it is all blah blah blah…

Whatever human evolution theory (religious, Darwin's, etc.) you believe in, one thing is obvious, the natural world predates human advent. And, at the time, nature didn't enforce its sustainability on humankind. It is self-sustaining unless someone disturbs it! We as humans did disturb it, no matter what we do we cannot undo or even repair the damage we have been causing for decades.

Coming back to Project Management, well, in my opinion, we must focus our attention on one of the most important resources for any project execution, the human resources! Studies have proven that '**stress**' is the no. 1 factor for a lot of diseases, especially fatal ones, some would call it the *silent killer*. A Project Manager is entrusted to manage the project team to a successful outcome, but for whom? Folks would jump & answer "the stakeholders" - right? In my opinion, this must change, it should be a successful outcome for all involved (directly & indirectly).

Ask any smoker the reason he/she smokes & the topmost answer is to relieve stress. Stress leads to a lot of unfortunate behavioural and emotional changes, and the degree varies based on how a person can expel stress. Sleeplessness, overeating, undereating, lack of self-motivation, and lower testosterone, are some of those changes.

To eliminate a disease, we must first find the root cause, and we don't need the 5Whys or Ishikawa method here, we all know it, it is the "DEADLINEs"! When people are pushed more or earlier than their natural ability, it causes bodily & emotional stress, which leads to the sorting of ways to release the built-up stress – and comes in a pack of cigs.

Smoking is injurious to active & passive smokers and do not forget the environment. We see the smoke rise and disappear, but it doesn't mean it is gone, it becomes part of the environment & someone will be inhaling that. Some might say that I'm exaggerating here, maybe I am & why not? We know the harmful effects of smoking, the rate of dying from a stroke (due to smoking) has increased to an alarming rate in recent years, going blind, diabetes, hip fractures, ED, Ectopic Pregnancy, Rheumatoid Arthritis, Orofacial Clefts, many more and the dreaded Cancer!

Working overtime, leads to the usage of electricity & other such resources, while working from the office folks tend to order food deliveries, so there are food expenses, probably food wastage & packaging waste – who's thinking of the environment, just the deadline – am I wrong?

As a PM, one must understand how a project could affect the well-being of the project team, and must consider factors, especially during estimation. I'm not asking to go all lax & chill; it should be practical and should encourage work-life balance. It is not easy & for sure there's no one size fits all, but then we've evolved dramatically & I'm sure given a try, one will find its way.

The other aspect is, Stakeholder Management, a strong PM should defend & safeguard his/her team from unnecessary pressure – those impossible-to-achieve deadlines. A factorial transparent communication should be enforced – the cost-benefit analysis should have factors of team well-being & engagement.

I quote from the vintage classic 'Ten Commandments' – "*A city is made of brick, Pharaoh. The strong make many. The weak make few. The dead make none.*"

Have a heart my dear ones, have a heart!

We must aim to have a Team that's conscious of their well-being and their surroundings. Aim to reduce stress, if not eliminate at least to lower the rate of environmental pollution. Build a culture of healthy living (of body and mind) within the office and at home, that's the BIGGEST sustainability achievement we all should seek!

A Review of Green HRM Practices for Sustainable Development

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The present business policies have resulted in massive depletion of resources, increase in pollution, ecological imbalances, and environmental degradation. This has compelled organizations to shift towards a green economy that seeks to promote ecologically sustainable businesses by reducing carbon footprints and preventing depletion of non- renewable resources. Green Human Resource Management (GHRM) is playing a significant role in bringing this change and promoting a green culture throughout the organization. It focuses on changing the thought, outlook, and behaviour of employees by introducing new practices in HRM (Human Resource Management) to achieve this objective. This has facilitated an increase in environmental awareness among employees resulting in cost reduction, greater efficiency, and more employee satisfaction. This Article is based on secondary sources of data, intends to explain the concept of GHRM, policies and practices associated with it, its advantages, and challenges. It also seeks to construct a process model of GHRM based on this study. Keywords: GHRM, Sustainability, Green Economy, Environment, Non- Renewable Resources.

Key Principles of Green HRM

Environment Awareness and Training

Green HRM starts with increasing awareness of environmental issues among employees. Employers should inform their employees about the effect of human activity on the environment as well as the significance of implementing sustainable methods. This concept highlights the necessity for ongoing education and training to ensure that employees are aware of environmental issues.

The process of selection and recruitment for sustainability

The recruitment process in Green HRM will prioritize those who have a strong commitment to sustainability in the environment. This means evaluating not only their technical abilities but also their knowledge of and alignment with the company's sustainable goals. When selecting employees who align with the company's environmental goals and values, companies can develop an employee base that is committed to sustainable methods.

Engagement and Participation of Employees

Green HRM encourages employees to be involved with sustainability efforts. This involves involving employees in the decision-making process related to the environment, encouraging an attitude of ownership, and establishing a culture in which everyone is accountable for the environmental footprint of the organization. Employees who are engaged are more likely to share creative ideas for sustainable practices.

The Green Metrics Program and Performance Management

Green HRM integrates environmental performance indicators in this performance management process. Employees are evaluated, not just using traditional metrics but also on how they contribute towards sustainability goals. This ensures that environmental accountability is incorporated into the assessment of team and individual performance.

Training and development for sustainability

Learning continuously is vital for employees to be able to adjust to changes in environmental standards and practices. Green HRM emphasizes training and training programs that equip employees with the capabilities and understanding required to apply sustainable practices to their daily jobs. This is a principle that supports the integration of sustainability into an organization's overall strategy.

Reward and Compensation for Green Practices

Incentivizing environmentally responsible behaviour is an essential element in **HR Development**. Companies can implement green incentives, like rewards or recognition programs to encourage employees to take sustainable actions. By linking rewards to sustainability targets, businesses increase the importance of the environment.

Workplace Greening initiatives

Green HRM expands its focus to encompass employees and the workplace itself. This includes implementing eco-friendly strategies like energy efficient technologies waste reduction programs and sustainable designs for buildings. In creating a green workplace companies can help reduce their environmental footprint.

Sustainable Supply Chains

Organizations are encouraged to expand their sustainability efforts in their supply chain. Green HRM involves collaborating with suppliers with similar environmental principles and encouraging sustainable practices across the entire supply chain. This will ensure that the entire ecosystem of business is run in a sustainable way.

Alignment of Environmental Responsibility with the Goals

Green HRM aligns seamlessly with the larger concept of environmental responsibility by infusing sustainable practices into the foundation of human resource tasks. There are several indicators that show this connection.

Lower Environmental Impact

The guidelines of **Strategic Human Resource Management** can help reduce impacts on the environment of company operations. From hiring to daily activities, the emphasis on sustainability makes sure that every aspect of managing human resources is done with an awareness of the environmental impact.

Culture Transformation

In promoting an organization-wide culture that is cantered on green practices Green HRM can facilitate the transformation of culture. Employees become ambassadors of sustainable practices, informing their colleagues, and causing ripple effects across the entire organization.

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Conformity in line with Environmental Standards

Green HRM makes sure that companies adhere to environmental regulations and standards. By incorporating these standards in HR processes, businesses can stay clear of legal issues enhance their image and demonstrate their dedication to being environmentally responsible.

Enhance Corporate Social Responsibility

Integrating green principles into HRM improves the CSR efforts of an organization. Customers, employees, and other stakeholders demand that companies be environmentally and socially responsible. Green HRM positions the organization as a socially responsible company, which positively impacts the image of its brand.

Sustainable Long-Term

Green HRM goes beyond merely a trend that is short-term but an approach to long-term sustainable business. By integrating HR practices with sustainability, companies can better protect themselves from environmental risks and help build an environmentally sustainable future.

Conclusion

Green Human Resource Management represents an important shift in the way organizations approach their workforce as well as their environment. The fundamental concepts that underlie Green HRM ranging from training and recruitment to initiatives for greening the workplace highlight the importance of incorporating sustainability in HR methods. This strategy does not only reflect the environment but also helps to improve the overall performance and resiliency of companies in a time when sustainability is a major factor in business excellence. As companies continue to promote Green HRM They are not just investing in a more sustainable future but also shifting the role HR plays in creating an environmentally sustainable and responsible corporate world.

Companies such as Google, IBM, Honda, Goldman Sachs, Starbucks, and GE have already made significant efforts towards Green HRM and general sustainability.

Navigating a Greener Course: Sustainable Practices in Dry Docking Diverse Ships

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Dry docking, the essential process of bringing a vessel out of the water for repairs, maintenance, and upgrades, plays a crucial role in maintaining a healthy maritime industry. However, traditional dry-docking practices can generate significant environmental impacts. Discarded waste materials, energy consumption, and water pollution are just some of the concerns.

The good news is that sustainability and dry docking can co-exist. By adopting innovative practices, shipyards and project managers can significantly reduce the environmental footprint of dry-docking projects for a variety of vessel types, including bulk carriers, gas carriers, oil tankers, and chemical tankers.

The Environmental Impact of Dry Docking

Understanding the potential environmental concerns of dry docking is crucial for implementing sustainable solutions. Here is a breakdown of some key areas:

- **Waste Generation:** A wide range of waste is produced during dry docking, including paint chips, used oil, blasting media, cleaning fluids, and metal scraps. Improper disposal of these materials can pollute waterways and soil.

- **Energy Consumption:** The dry-docking process can be energy-intensive, with activities like powering equipment and welding contributing to greenhouse gas emissions.

- **Water Pollution:** Blasting, cleaning, and painting activities can generate wastewater contaminated with pollutants. Discharging this untreated water can harm marine life and ecosystems.

Sustainable Strategies for Different Ship Types

While all types of ships benefit from sustainable dry-docking practices, some considerations are specific to each vessel category:

- **Bulk Carriers:** These workhorses of the maritime industry transport dry cargo like coal, grain, and iron ore. Here, the focus can be on:

  o **Abrasive Blasting Alternatives:** Traditional blasting media can be harmful to marine life. Exploring biodegradable alternatives or high-pressure water jetting can minimize environmental impact.

  o **Cargo Residue Management:** Implementing efficient cargo hold cleaning procedures and proper disposal of residual cargo minimizes water pollution.

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- **Gas Carriers:** Designed to transport Liquefied Natural Gas (LNG) at cryogenic temperatures, these vessels require specialized maintenance. Sustainable practices include:

  o **Hot Work Procedures:** LNG tankers require special welding techniques and materials to maintain cryogenic integrity. Sustainable alternatives for these specialized processes should be explored.

  o **Strict Waste Segregation:** LNG is a volatile fuel. Rigorous waste segregation and disposal protocols are essential to prevent contamination and environmental hazards.

- **Oil and Chemical Tankers:** These vessels transport bulk liquid cargoes, necessitating stringent safety and environmental considerations. Here are some sustainable approaches:

  o **Tank Cleaning Optimization:** Optimizing tank cleaning procedures, including minimizing water usage, and exploring closed-loop cleaning systems, can conserve resources and reduce wastewater generation.

  o **Green Paints and Coatings:** Using eco-friendly paints with low VOC content minimizes air pollution during application. Additionally, exploring biocide-free antifouling coatings can reduce the harmful impact on marine ecosystems.

Beyond Vessel Type: Universal Sustainable Practices

Several sustainable practices can be applied across all ship types during dry docking:

- **Waste Management Hierarchy:** The waste hierarchy – reduce, reuse, recycle – should be the guiding principle. Minimizing waste generation at the source, followed by reuse and responsible recycling of unavoidable waste, significantly reduces environmental impact.

- **Shore Power Utilization:** Whenever possible, utilizing shore power to supply electricity to the docked vessel instead of onboard generators lowers air pollution and noise emissions.

- **Energy-Efficient Technologies:** Implementing energy-saving lighting systems (LEDs) within the dry dock facility and exploring energy-efficient equipment can significantly reduce overall energy consumption.

- **Sustainable Material Selection:** Opting for durable, long-lasting materials for repairs and upgrades minimizes future replacements and associated waste generation. Additionally, exploring the use of recycled materials where feasible offers environmental benefits.

Challenges and the Road Ahead

While the benefits of sustainable dry docking are undeniable, challenges exist:

- **Initial Investment:** Adopting new technologies or processes for waste management, energy efficiency, or green materials might require upfront investment. However, long-term cost savings and environmental benefits should be factored in.

- **Availability of Options:** The availability of eco-friendly materials, recycling facilities, or shore power infrastructure can vary depending on the shipyard location. Collaboration between shipyards, regulatory bodies, and the maritime industry can encourage broader adoption of sustainable practices.

Conclusion: A Collaborative Voyage Towards a Sustainable Future

By embracing sustainable practices in dry docking, the maritime industry can embark on a collaborative voyage towards a greener future. This journey requires a united effort from ship owners, project managers, shipyards, and regulatory bodies. Together, they can navigate a course focused on minimizing waste generation, implementing responsible waste management strategies, optimizing energy efficiency, and selecting sustainable materials. These efforts will not only minimize environmental impact but also foster a more robust and ethical industry.

The future of sustainable dry docking holds immense promise. As technology evolves and innovative solutions like closed-loop cleaning systems and eco-friendly blasting media become more readily available, the cost-effectiveness of sustainable practices will continue to improve. Additionally, a growing focus on social sustainability ensures safe and healthy working conditions, fair labour practices, and a skilled workforce equipped for the future.

Even small changes implemented throughout the dry-docking process can lead to significant sustainability gains in the long run. By prioritizing environmental responsibility, economic viability, and social well-being across all aspects of dry docking, the maritime industry can ensure a healthy planet, a thriving economy, and a just future for its workforce. This collaborative voyage towards a sustainable future requires commitment, innovation, and a shared vision for a cleaner and more equitable maritime industry.

Environmental Sustainability KPIs: A Key to Measuring Progress

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As organizations strive to make a positive impact on the environment, it is essential to measure their progress towards environmental sustainability goals. In this article, we will explore the importance of environmental sustainability KPIs, provide a list of commonly used KPIs, and discuss the benefits of using KPIs to measure progress towards environmental sustainability goals.

Importance of Environmental Sustainability KPIs

Environmental sustainability KPIs are essential for measuring the effectiveness of sustainability initiatives and driving progress towards environmental sustainability goals. By using KPIs, organizations can:

1. Identify areas for improvement: KPIs help organizations identify areas where they need to improve their sustainability performance. By tracking specific metrics, organizations can identify areas where they need to improve their operations, supply chain, or products.

2. Track progress: KPIs enable organizations to track their progress towards their sustainability goals and measure the effectiveness of their sustainability initiatives. By setting targets and tracking progress, organizations can stay on track and adjust their strategies as needed.

3. Make informed decisions: KPIs provide organizations with the data they need to make informed decisions about their sustainability strategies. By using KPIs, organizations can evaluate the effectiveness of different initiatives and make data-driven decisions about which initiatives to prioritize.

4. Communicate with stakeholders: KPIs enable organizations to communicate their sustainability performance to stakeholders, including investors, customers, and employees. By providing transparent and accurate information about their sustainability performance, organizations can build trust and credibility with stakeholders.

Commonly Used Environmental Sustainability KPIs

There are many different types of environmental sustainability KPIs that organizations can use to measure their progress towards environmental sustainability goals. Some common KPIs include:

1. Greenhouse gas emissions: This KPI measures an organization's carbon footprint and is an important indicator of its environmental impact.

2. Energy consumption: This KPI measures an organization's energy usage and is an important indicator of its energy efficiency.

3. Water usage: This KPI measures an organization's water usage and is an important indicator of its water conservation efforts.

4. Waste reduction: This KPI measures an organization's waste reduction efforts and is an important indicator of its commitment to reducing waste.

5. Supply chain management: This KPI measures an organization's ability to manage its supply chain sustainably and is an important indicator of its commitment to sustainable practices.

6. Life cycle analysis-Conducting life cycle analysis of specific products allows organisations to scrutinise emissions at every stage, from raw material extraction to disposal. This comprehensive analysis involves collecting and analysing data at each phase of the product life cycle, considering resource consumption, emissions, and waste generation.

KPIs for Environmental Sustainability Enablers

In addition to tracking specific environmental sustainability metrics, organizations should also track metrics that enable them to achieve their sustainability goals. Some common KPIs for environmental sustainability enablers include:

1. Governance: This KPI measures an organization's governance structure and how it supports its sustainability goals.

2. Funding: This KPI measures an organization's funding priorities and how it supports its sustainability initiatives.

3. Sourcing: This KPI measures an organization's supply chain management practices and how it supports its sustainability goals.

4. Talent: This KPI measures an organization's talent management practices and how it supports its sustainability goals.

5. Change management: This KPI measures an organization's ability to manage change and how it supports its sustainability initiatives.

6. Collaboration: This KPI measures an organization's collaboration with stakeholders and how it supports its sustainability goals.

Benefits of Using Environmental Sustainability KPIs

Using environmental sustainability KPIs can provide a range of benefits for organizations, including:

1. Improved decision-making: By providing data-driven insights, environmental sustainability KPIs can help organizations make informed decisions about their sustainability strategies.

2. Increased transparency: By tracking and reporting on environmental sustainability metrics, organizations can demonstrate their commitment to transparency and accountability.

3. Enhanced stakeholder engagement: By providing stakeholders with accurate information about their environmental sustainability performance, organizations can build trust and credibility with stakeholders.

4. Cost savings: By identifying areas where they can improve their operations, supply chain, or products, organizations can reduce costs and improve their bottom line.

Use Case of Environmentally sustainable practices

On Its 116th Foundation Day, July'23, Bank of Baroda launched number of digital initiatives to re-affirm its commitment towards sustainability under the flag name "bob Earth "initiative-

- Implemented energy-efficient infrastructure and digitized processes.

- Appointed Green Consultants in 10 zones.

- Powered 171 branches with solar energy.

- Implemented a rigorous waste management program.

Through "bob Earth", Bank of Baroda aims to set a new standard for banking and finance in India, ensuring a better future for its customers, employees, and the environment.

Conclusion

Hence, it can be concluded that, environmental sustainability KPIs are essential for measuring progress towards environmental sustainability goals and driving change within organizations. By using these KPIs, organizations can identify areas for improvement, track progress, make informed decisions, and communicate with stakeholders effectively. By tracking specific metrics and enablers, organizations can ensure that they are taking a comprehensive approach to achieving their environmental sustainability goals and make it a key USP while promoting brand image in a competitive marketplace.

ESG in Banking: Unveiling the Power of Sustainable Finance

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Introduction

In contemporary corporate governance, the integration of Environmental, Social, and Governance (ESG) principles has become increasingly imperative, signifying a significant shift towards more responsible and sustainable business practices. This transformation is particularly pronounced within the banking sector, where institutions are acknowledging their pivotal role in fostering economic, social, and environmental well-being alongside financial performance.

ESG comprises a set of benchmarks that socially responsible investors utilize to select suitable investments. Environmental criteria scrutinize a company's ecological footprint, including its emissions and impact on air and water quality. Social indicators evaluate the company's interactions with employees, suppliers, customers, and local communities. Governance aspects encompass the company's leadership structure, auditing practices, internal controls, and protection of shareholder rights.

In India's corporate landscape, two significant milestones have marked the advancement of the Sustainability/ESG Framework. Initially, Corporate Social Responsibility (CSR) reporting and expenditure became compulsory under the Companies Act, 2013. Subsequently, the Securities and Exchange Board of India (SEBI) mandated the Business Responsibility and Sustainability Report (BRSR) for the top 1,000 listed companies by market capitalization. These developments signify a significant stride towards the widespread adoption of the ESG framework in corporate governance and operational strategies.

In recent years, Environmental, Social, and Governance (ESG) factors have gained prominence within the banking sector. Given the sector's substantial influence on both the economy and society, banks are now obligated to conduct their operations in a socially responsible and sustainable manner. The integration of ESG considerations is crucial as they directly affect a bank's financial performance, reputation, and long-term sustainability.

Need for an ESG Reporting Framework:

The necessity for an ESG Reporting Framework stems from numerous factors:

(i) Companies wield considerable influence and resources to enact positive climate action, fostering a sustainable and resilient future. ESG Reporting norms serve to illuminate investors about these commendable sustainability initiatives, enabling them to direct their investments towards companies committed to environmental consciousness.

(ii) Globally, there is a swift evolution in sustainability reporting, propelled by the pursuit of Sustainable Development Goals and the escalating momentum of climate action. ESG considerations are increasingly pivotal in this context, reflecting the growing emphasis on responsible corporate conduct.

(iii) Consumer expectations have shifted towards businesses upholding high standards of sustainability and employment quality. Regulators and policymakers are increasingly invested in ESG, recognizing the corporate sector's role in addressing societal challenges like environmental degradation and workplace diversity. Simultaneously, the investor community has demonstrated heightened interest in ESG, underlining its growing importance in investment decision-making.

Evolution of ESG Reporting Norms

The trajectory of ESG reporting norms in India can be traced back to the inception of the National Voluntary Guidelines on Corporate Social Responsibility in 2009. Subsequent regulatory interventions by the Securities and Exchange Board of India (SEBI), such as the introduction of the Business Responsibility Report (BRR) followed by the augmentation to the Business Responsibility and Sustainability Report (BRSR), have played a pivotal role in fostering greater transparency and accountability among corporations. The BRSR, introduced in 2021 and mandatorily enforced in 2022-23, represents a significant milestone, aligning Indian corporate reporting standards with the evolving global trends in ESG reporting.

The salient features of SEBI's BRSR Guidelines:

SEBI's BRSR entails a standardized reporting format aimed at facilitating comparisons of environmental, social, and governance objectives across companies and sectors.

Distinguished by its comprehensiveness and stringency, the BRSR guidelines surpass the existing BRR norms. By incorporating metrics from international frameworks aligned with global ESG reporting trends, the BRSR marks a significant stride towards harmonizing sustainability reporting with financial reporting standards.

Key disclosures mandated by the BRSR encompass:

(a) Presentation of sustainability-related goals, targets, and corresponding performance metrics.

(b) Environmental disclosures encompassing resource consumption (energy and water), emissions (air pollutants and greenhouse gases), adoption of circular economy practices, waste management strategies, extended producer responsibilities, and biodiversity conservation measures.

(c) Social disclosures encompassing workforce-related metrics such as gender and social diversity, turnover rates, median wages, welfare benefits, occupational health and safety practices, and training initiatives. Additionally, disclosures pertaining to community engagement, including Social Impact Assessments (SIA), rehabilitation and resettlement efforts, and Corporate Social Responsibility (CSR) initiatives, are mandated. Consumer-centric disclosures encompass product labelling, recall initiatives, consumer complaints related to data privacy and cyber security, among others.

Key Components of ESG Reporting

The BRSR framework encapsulates a comprehensive array of disclosures, encompassing environmental impact assessments, social responsibility initiatives, and governance practices. These disclosures serve as indispensable tools for stakeholders, providing profound insights into the non-financial sustainability measures adopted by companies. Environmental disclosures encompass various facets, including resource management, emissions reduction strategies, and biodiversity conservation efforts. Social disclosures shed light on workforce diversity, community engagement endeavours, and consumer relations strategies. Governance disclosures emphasize leadership transparency, audit practices, shareholder rights protection, and ethical business conduct.

ESG's Impact on Banking Sector

ESG considerations have emerged as seminal factors shaping decision-making processes within the banking sector. Banks are increasingly compelled to evaluate their performance against a spectrum of environmental, social, and governance metrics. Environmental imperatives, such as climate change mitigation and resource conservation, have necessitated a reassessment of lending practices, compelling banks to proactively invest in sustainable initiatives. Social imperatives, including community welfare and inclusivity, are gaining traction, reflecting a broader commitment towards societal well-being. Governance imperatives, underpinning principles of transparency and accountability, are indispensable for ensuring long-term viability and stakeholder trust.

Benefits of ESG Norms

The adoption of ESG reporting norms yields a plethora of benefits to both corporations and their stakeholders. Enhanced stakeholder trust, reduced instances of green washing, and heightened transparency are among the primary advantages. By aligning with established ESG frameworks, companies can attract socially responsible investments, fortify their reputations, and make substantial contributions towards achieving sustainable development goals. Standardization of ESG reporting practices not only enhances credibility but also facilitates informed decision-making processes for investors and consumers alike.

Challenges with ESG Reporting Norms

Despite the manifold benefits, ESG reporting encounters several challenges in its implementation. Methodological data issues, arising from disparities in data collection methodologies and reporting standards, pose significant hurdles. The lack of standardization across reporting frameworks complicates comparative analysis and benchmarking endeavours. Moreover, the dynamic regulatory landscape necessitates continuous adaptation, straining organizational resources and capabilities. Quantifying the impacts of ESG initiatives remains a formidable challenge, given the qualitative nature of certain ESG factors, making it challenging to ascertain their tangible value.

Conclusion

The banking sector's embrace of ESG principles is pivotal for driving sustainable economic growth, mitigating risks, and fostering trust among stakeholders. As investors and consumers increasingly prioritize ESG considerations, banks must integrate these factors into their core decision-making processes to ensure long-term resilience and competitiveness. SEBI's initiatives in mandating ESG reporting have laid a robust foundation for fostering transparency and accountability within the Indian corporate landscape. Looking ahead, expanding the scope and depth of ESG norms to encompass unlisted entities and fostering greater collaboration among stakeholders can further accelerate the journey towards building a more sustainable and inclusive economy for all.

Implementing innovative thinking approach to achieve sustainable goals

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"Sustainable development is the development that meets the needs of the present without compromising the ability of future generations to meet their own needs." - Gro Harlem Brundtland

Sustainable innovation is the act of continuously improving your products, processes, and workforce to create a brighter, more sustainable future for your customers, your employees, and the environment.
To achieve long-term sustainability, it is necessary to strive for a green economy and come up with solutions to address limitations to resource footprints. This will require innovations across the organization and creativity in all fields. Creativity and sustainability are closely linked. The UN's Agenda 2030 with its 17 SDGs sets out the economic, social and environmental dimensions of a sustainable world. This requires concerted efforts towards building an inclusive and resilient future for the planet. Innovation, the business of ideas, is increasingly seen as the key to future societal prosperity and business success.

Design thinking has become an important tool driving green innovation within organizations and plays a critical role in enhancing sustainability performance. Design thinking can be embedded in sustainable development projects to get the output from people's perspective.

Innovating thinking can be implemented in the sustainable projects by implementing following three approaches.

Commence with empathy: Empathy lies at the nexus of creativity and our ecological concerns. Since we all depend heavily on one another to improve the world, we are all in the same boat. We can truly grasp who we are addressing problems for and why they are important if we begin with a profound sense of empathy for people, the planet, and all of its life systems. The difficulties become more relatable when kindness is incorporated into the conversation. Humans are fundamentally compassionate and caring, but we need to do a better job of bringing those traits into problem-solving environments. Positive action is facilitated by establishing an atmosphere that is characterized by kindness, understanding, and compassion at the top.

Integrate system thinking: By highlighting the relationships, synergies, and trade-offs between decisions taken, systems thinking assists us in determining the priorities for action. It challenges us to have a holistic approach to the world, taking into account how interdependent all living things are. In order to create new services and solutions that will lead to a more sustainable world, we must go beyond our own organizations and take larger systems into consideration. Since most of the ecosystems on Earth are interconnected, being aware of the bigger picture when acting will make us more deliberate. Up until now, human-centered design has been associated with innovation. We must think about changing our focus to planet-centered design and how we may do so via the prism of the SDGs.

Encourage divergent thinkers: If considering many systems from a new angle is required, then in order to

best produce significant answers, we also need to cultivate divergent thinkers and mindsets. Since there isn't a single, well-defined answer for many of the sustainable development goals, co-creation and creativity among many thinking are necessary. Working together with a variety of creative thinkers and doers can result in major change and the resolution of current mysteries. Divergent thinking is a powerful tool for accelerating economic progress by acting as a catalyst to close gaps across different areas and enable the merging of disparate institutions and skill sets.

Sustainability is the future – but it needs to start now.

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Digital Transformation in Indian Transit Industry

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Introduction:

Indian Transit industry comprises of different transport sections such as Bus, Monorail, Metro Rail, etc. It has undergone phenomenal changes where bus transit has become more faster and quicker through Bus Rapid Transit (BRT) system, introduction of metro lines capturing the city skylines of every metro of India, Vande Bharat Trains and so on. All this faster mode of transport has also led to faster and quicker payment options. Gone are the days when you can purchase the ticket only thought the cash options whereas now commuter can pay through the different digital mode such as UPI, debit card, credit card, e-wallet etc. which has substantial impact on the value and the percentage of transaction through digital mode.

UPI Revolution in India:

India has seen the revolution in the UPI payment and on Year-on-Year basis there is average 40% increase in transactions happened through UPI as per the data published by National Payments Corporation of India (NPCI).

UPI Transaction Data (**Source: NPCI website**)				
S/N	**Month**	**No. of Banks live on UPI**	**Volume (in Mn)**	**Value (in Cr.)**
1	May-23	445	9,415.19	14,89,145.44
2	Jun-23	458	9,335.06	14,75,464.27
3	Jul-23	473	9,964.61	15,33,645.20
4	Aug-23	484	10,586.02	15,76,536.56
5	Sep'23	492	10,555.69	15,79,133.18
6	Oct'23	505	11,408.79	17,15,768.34
7	Nov'23	516	11,235.29	17,39,740.61

8	Dec'23	522	12,020.23	18,22,949.42
9	Jan'24	550	12,203.02	18,41,083.97
10	Feb'24	560	12,102.67	18,27,869.35
11	Mar'24	572	13,440.00	19,78,353.23
12	Apr'24	581	13,303.99	19,64,464.52
13	May'24	598	14,035.84	20,44,937.05
	% Increase	**34.38%**	**49.08%**	**37.32%**

Transport role and Technology used for Digital Transactions:

Post Covid – 19 need was immerged to avoid the physical transactions and handling over of the tickets from one person to another. As per Govt guidelines and policy followed by different transport bodies need was emphasized for digital transaction with introduction of different options such as Electronic Ticket Issue Devices within the buses, Mobile Apps for Android and IOS operating systems, introduction of Kiosk at station locations where the high footfall of passenger is seen and online reservation systems. All these steps have drastically improved the

Solution Architecture for Bus Transit Industry:
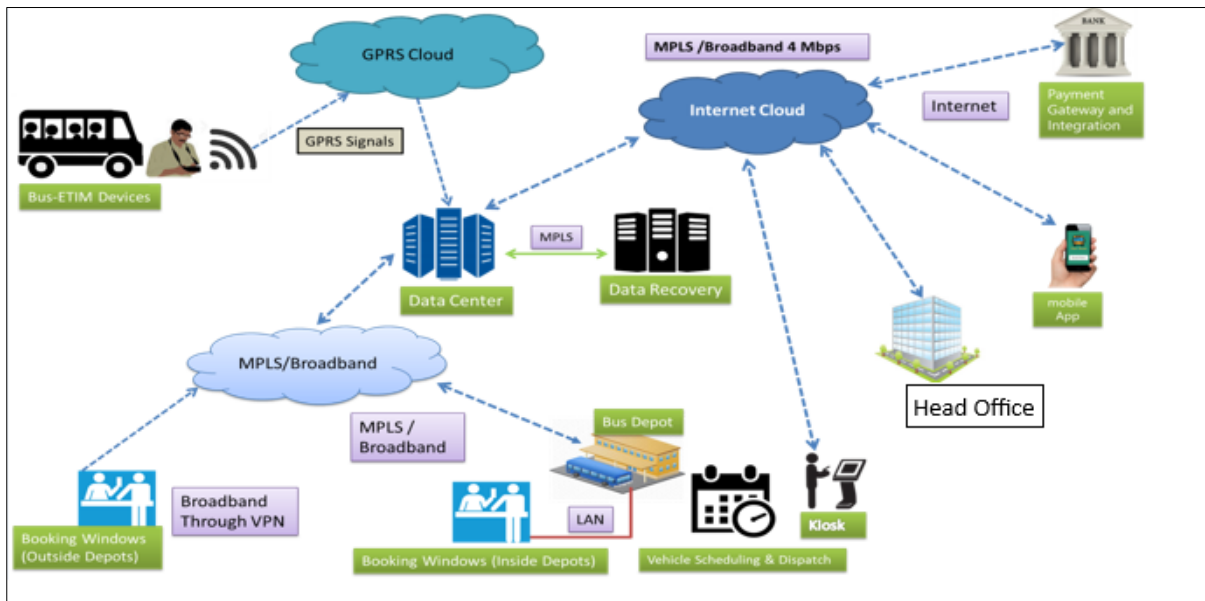
Online digital transaction in running buses:

Industry has evolved over the period and gone are the days when bus conductors carry physical paper tickets with them. Now a days almost all the state transport undertakings in India and private operators have shifted to electronic ticket issue devices which enables the operator to issue the E-tickets to the commuter. These are the Android bases devices with SIM connectivity that enables them to be connected with the central servers at any point of time. Data from the devices is transferred via GPRS in periodic interval to the central server. Devices are also GPS enabled which helps to real time track the devices at any point of time. These devices are cable of generating QR code for digital payment mode.

Mobile Ticketing:

In today's world almost everyone carries the Smart Phone and it is difficult to imagine the life without smart phones where all the data is available mostly on the fingertips. Utilise this facility new Mobile application has been developed which will enable the commuter to make the payment either through UPI or e-Wallet or to generate the monthly passes.
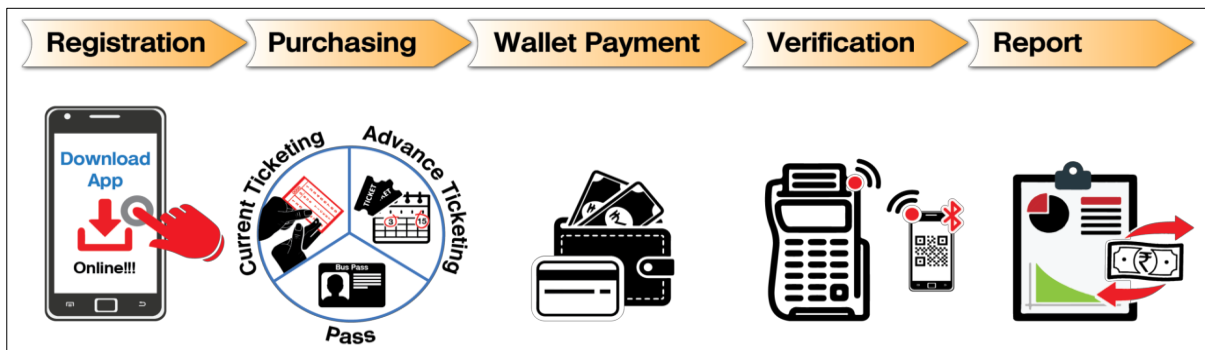
Validators:

We all must have seen the validators in metro stations whereas such validators are also becoming common in bus transit where tap in and tap out is done with the help of Smart Card or via Mobile App (QR code base) to enable payment mechanism.

Validators in Buses

Validators in Metro

Wrist Band as Validator

Kiosk

All these concepts lead to Automatic fare collection and promotes to digital transactions in transit industry by various means.

Conclusion:

Digitisation being the buzz the word in all sections of life, Indian transport industry is not far behind with introduction of e-ticketing devices, mobile Apps, Smart Cards, and Kiosk for digital payment options, and we are not far behind the developed world. With new concepts such as wrist band and National common Mobility card industry and govt agencies are working hard to make the easy and smooth travel experience. Needless to say, all these efforts are leading to the digital promotions which has benefitted to the common people of India.

Empowering Minds: PMI Mumbai Chapter's Dnyansarita Initiative Continues to Make a Difference

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In a world where education is often considered a luxury, PMI Mumbai Chapter's Dnyansarita initiative has been a beacon of hope for underprivileged children. Since its inception last year, the initiative has garnered support from various quarters, making significant strides in promoting literacy and empowerment. Collaborating with the HWCT Foundation, Seva Sahayog and Inchpaper, PMI Mumbai Chapter has embarked on a transformative journey, touching the lives of countless children in need.

Last year, the initiative resulted in the provision of over 1300 notebooks donated to underprivileged children from the HWCT Foundation studying at the "Shelter of Love" facility in Naigaon. On World Book Day, observed on April 24th, 2023, PMI Mumbai Chapter extended its support further by donating 600+ reading books to the Seva Sahayog Sanmitra Library in Mulund, reinforcing its commitment to promoting literacy and education.

This year, the momentum continued with a series of impactful initiatives aimed at uplifting communities and empowering children through education. In January 2024, PMI Mumbai Chapter kickstarted the year by donating 30+ backpacks to the HWCT Foundation, ensuring that children have the necessary resources to pursue their education with dignity and pride.

Dnyansarita 2024, where in PMI Mumbai Chapter organized a book donation drive at India bulls Greens society in Panvel, where members of the society came together to donate close to 1000+ books. This collective effort not only replenished libraries but also provided children with access to a wealth of knowledge and learning opportunities.

Further, PMI Mumbai Chapter forged a collaboration with Inchpaper, a socially conscious organization dedicated to sustainable practices in the paper industry. In chapter's innovative approach to book donation involves segregation and repurposing, ensuring that each donated book serves multiple purposes and reaches those in need effectively.

Through this collaboration, donated textbooks will be redistributed to schools, while blank pages will be rebound and repurposed for educational use. Additionally, Inchpaper has partnered with local libraries to ensure that surplus books find their way into the hands of eager readers, further enriching communities with the gift of literature.

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Furthermore, PMI Mumbai Chapter, in partnership with Inchpaper, is utilizing the last piece of paper from each book to manufacture sanitary disposal pads, addressing a crucial need for menstrual hygiene management among adolescent girls.

Before the start of the academic year 2024, PMI Mumbai Chapter successfully donated 1400+ notebooks to the HWCT Foundation.

In conclusion, PMI Mumbai Chapter's Dnyansarita initiative exemplifies the transformative power of collaboration and compassion. By joining hands with like-minded partners and leveraging innovative solutions, the chapter continues to make a meaningful difference in the lives of underprivileged children, paving the way for a brighter and more equitable future. As the initiative evolves and expands, it serves as a reminder that education is not just a privilege but a fundamental right that must be accessible to all.

Glimpse of "Dnyansarita" in 2023

DynanSarita (Stream of Knowledge)

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Glimpse of "Dnyansarita" in 2024 – Book donation drive at India bulls Greens Society, Panvel

"Dnyansarita" in 2024 – Book collected and donated to Inchpaper for further process.

Glimpse of "Dnyansarita" in 2024 Book distribution event at HWCT Foundation, shelter of love

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WhatsApp Poll

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Which of the following do you consider the riskiest individual project?

Climbing Mount Annapurna (fatality rate 31%) or K2 (20% fatality rate) – 6 voted

Diving in a submarine into the Mariana Trench or to witness the Titanic wreck. -16 voted.

Circumnavigating the globe in a sailboat. -11 voted.

Skydiving from a plane. – 4 voted

Other (please feel free to add any other risky projects you know of). – 1 voted

Taming the Wild: A Project Manager's Guide to High-Risk Adventures

Imagine a group of Project Management Institute (PMI) members debating the riskiest adventure project. Their votes expose a fascinating array of challenges, each demanding a unique approach. Let us delve into how a seasoned project manager would analyse these thrilling yet perilous undertakings.

The Risk Assessment Framework:

Before embarking on any adventure, a project manager would meticulously assess risks using a structured framework. Here are some key aspects they would consider:

- **Risk Identification:** Recognizing potential threats is the first step. This involves brainstorming possible dangers specific to each adventure:

    - **Climbing Annapurna or K2:** Avalanche, altitude sickness, extreme weather conditions.

    - **Mariana Trench Dive or Titanic Exploration:** Equipment failure, extreme pressure, encountering deep-sea creatures.

    - **Global Circumnavigation by Sailboat:** Storms, equipment breakdowns, isolation, piracy.

    - **Skydiving:** Equipment malfunction, human error, weather issues.

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- **Risk Analysis:** Once risks are identified, their likelihood and impact need evaluation. Statistical data can be helpful here:

  o **Fatality Rates:** Annapurna (31%) is statistically riskier than K2 (20%).

  o **Historical Data:** Researching past incidents (near misses or accidents) in each area provides valuable insights.

- **Risk Mitigation Strategies:** Here's where the project manager's ingenuity shines:

  o **Preparation and Training:** Extensive training in mountaineering, deep-sea diving, or sailing would be crucial.

  o **Equipment Selection and Maintenance:** High-quality, well-maintained equipment is vital for all activities. Redundancy (e.g., backup oxygen supply) might be necessary for some.

  o **Weather Monitoring and Route Planning:** Careful planning around weather patterns and choosing safe routes are essential.

  o **Expert Teams and Communication Plans:** Assembling a skilled team with experience in the chosen adventure is key. Robust communication plans ensure everyone is informed and coordinated.

  o **Emergency Response Protocols:** Having clear plans for medical emergencies, equipment failure, or search and rescue is vital.

Technological Advancements and Risk Reduction:

Technology plays a crucial role in mitigating risks:

- **Advanced weather forecasting** helps with route planning and avoiding dangerous conditions.

- **Improved communication devices** ensure rescuers can be reached in case of emergencies.

- **Developments in diving equipment** allow for deeper and safer exploration of the Mariana Trench.

- **Modern navigational tools** enhance route planning and collision avoidance during global sail trips.

Historical Context and Lessons Learned:

Studying past incidents offers valuable insights:

- The 1996 Mount Everest disaster, where eight climbers died in a single storm, highlights the importance of weather monitoring and risk management.

- The successful 2012 James Cameron Mariana Trench dive showcased advancements in deep-sea submersible technology.

- The numerous solo global circumnavigation voyages by skilled sailors demonstrate the feasibility of the journey with meticulous planning.

The Final Verdict: It is Not Just About Numbers

While fatality rates offer a starting point, a project manager would not make a decision solely on statistics. Here is a breakdown of how each adventure might be approached:

- **Climbing Annapurna or K2:** These expeditions are inherently dangerous, demanding exceptional physical fitness, experience, and a robust risk mitigation plan.

- **Mariana Trench Dive or Titanic Exploration:** Deep-sea exploration requires specialized equipment and expertise. Technological advancements may make the Mariana Trench slightly less risky than exploring the wreck at a more moderate depth.

- **Global Circumnavigation by Sailboat:** This is a long-term project requiring exceptional navigational skills, seamanship, and a well-maintained vessel.

- **Skydiving:** While seemingly less complex, skydiving can be risky, especially for first timers. Proper training and experienced instructors are crucial.

The Astute Project Manager's Mindset

Beyond the specific risks, a project manager would also consider:

- **Project Goals:** Is the aim a personal challenge, scientific exploration, or commercial venture?

- **Team Expertise:** Does the team possess the necessary skills and experience for the chosen adventure?

- **Risk Tolerance:** How much risk is acceptable for the project's goals and participants?

A successful adventure project requires a meticulous approach that balances calculated risks with robust mitigation strategies. By employing a project management mindset, even the most daring expeditions can be undertaken with a significant margin of safety.

ABOUT OUR AUTHORS

Nandini is a PMP-certified IT professional with 12 years of experience in the software industry. She is currently working in software development and has been employed by several leading software companies in recent years. Nandini holds both a Scrum Master certification and a Scrum Professional certification from Accenture. Beyond her professional endeavors, she enjoys various hobbies, including learning new languages and participating in art exhibitions across India.

Mr. Ajaz Ahmad Qureshi is a PMP Certified Decisive Information Technology leader with 25+ years driving technology strategy and operations for renowned automotive and heavy machinery dealerships. Led tech teams to deliver innovative solutions and business value. Passionate about providing exemplary customer experiences and building strong vendor relationships. Agile and results-driven, successfully executed projects under tight deadlines. Equipped with meticulous project management and comprehensive leadership skills. Known for motivating teams through an inspiring vision focused on business impact. Dedicated to continuous improvement and conflict resolution to enable efficient IT services and maximize customer satisfaction.

Dr. Harshada is a renowned Academician who has been in the field of Management Education for 25 years and has worked in the Information Technology industry as an HR Professional for 8 years. She is a double Postgraduate in Arts and Management and is Doctorate in Emotional Intelligence. Harshada is ICF- ACTP Trained Life Coach and possesses various Certifications in NLP, Life Coaching, Dance Movement Psychotherapy and Management and has published 26 Research Papers in various National and International Research journals and is the recipient of Dr. Ram Tarneja Award for best Article in BMA.

Mr. Jenise Samuel, Senior ETO aboard a marine vessel, brings a wealth of experience and diverse interests to the table. His career has spanned managing ITES projects and facilities, as well as maintaining marine vessel automation and electrical systems. A true petrolhead and history buff, he also has a passion for sailing and wildlife.

Riya is PMP® Certified Project Manager cum Business Analyst at Bank of Baroda, one of the leading public sector banks in India, with over 11 years of experience in Banking domain. She holds the JAIIB and CAIIB certifications from the Indian Institute of Banking and Finance, as well as a strategic management certification from the SP Jain School of Global Management. A Certified Scrum Master from Scrum Alliance with hands on experience in implementing scrum framework at larger organisation.

Anish Shrimali is PMP® Certified Chief Manager-IT, Research Officer, Union Learning Academy-Digital Transformation, Union Bank of India, He also holds CAIIB |DISA| Certificate in Cyber Security| Post-Graduate Degree in Master of Computer Applications (MCA)

Dr. Vaishali Kulkarni is an experienced academician with expertise in quality management and strategic planning and implementation. She has a total of 32 years of industry and teaching experience. She has led International and National accreditations. Her skills are Strategic Planning and Implementation, Quality Assurance and Compliance, Training & Development, Process Management and ERP Implementation

Dipak Vichare has a total experience of 25+ Years in different areas of Indian Auto industry in Government, Private entities including 12+ Years in Project Management in implementation of ITeS projects from transport domain. Vivid learner and like to be associated with notable people in project management to understand and learn new things.

Anita Kanojia is a seasoned project management professional with a robust background in leading successful projects across various industries. With over 10+ years of experience, she has consistently demonstrated excellence in project planning, execution, and stakeholder management. In addition to her professional achievements, Anita is a dedicated volunteer with the PMI Mumbai Chapter. Her passion for giving back to the community is evident through her leadership in various outreach initiatives, including the recent donation of 1400+ notebooks to the HWCT Foundation. Anita's commitment to both her profession and her volunteer work embodies the true spirit of service and leadership.

UPDATES CERTIFICATIONS & TRAININGS PORTFOLIO

Welcome to PMP Club !!!

PMI Mumbai Chapter wishes to congratulate its chapter members who are part of PMP Study Group, an activity started and managed by the chapter.

Mr. Yogesh Modekar (Tech lead, Tech Mahindra) and Mr. Chintan Mange (Assistant Manager, thyssenkrupp Uhde) of PMI Mumbai Chapter members got PMP Certified in June 2024.

Name: Pratik Chandrakant Sawant
Company: Godrej and Boyce Mfg. Co Ltd
Designation: Assistant Manager – Projects

Name: Vatsal Mehta
Company: Abaqus Inc.
Designation: Delivery Manager (CSM)

Pitstop Series 2024 - 1st Session

Beyond Intuition - Data-Driven Decision Making in Project Management

On June 11, 2024, PMI Mumbai Chapter had an incredible session focusing on how accurate data input, combined with intuition, can simplify decision-making in project management. With 90+ enthusiastic participants, the session was a huge success!

Our expert speakers, Mr. Ratankar Gore and Ms. Rashmi Likhite, provided an in-depth look at Portfolio Management, often known as Project and Portfolio Management (PPM). They demystified PPM using the powerful Celoxis tool, showcasing how it can:

> Initiate project requests
> Develop project scoring models
> View project request queues and available resource capacities
> Achieve desired portfolio balance
> Track project pipelines and portfolio accounting

The speakers also showed us various reports and analysis with their insightful representations and applications

We receive very good feedback for the session, like
* Nice, Insightful, very well conducted session with case studies
* Awareness is needed about the need for a data-driven strategy.
* Knowledgeable session
* Essentially, there is a need to build a culture of identifying and collecting relevant data that can be analysed effectively to achieve the necessary business goals. The scalability that we get with data-driven decision making is what makes it reliable and less person dependent.
* Got to know about the AI driven data driven tools for monitoring project for all PMO.
* We got good information about a new tool which would be useful.
* The Decision-making part really provoked so many thoughts. Learnt a lot about Data driven decision making which I have been using for the last few years but didn't know that nomenclature."
* The session provided good insights on how good quality data can be used to take vital decisions for managing the projects.

Mr. Vivek Adhikari, Secretary - PMI Mumbai Chapter gave a Vote of Thanks to the speakers for such an insightful, knowledgeable session.

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Beyond Intuition - Data-Driven Decision Making in Project Management

PMI Mumbai Chapter hosted an enlightening session on the fundamentals of Lean Six Sigma, brilliantly conducted by Mr. Arpit Desai.

In today's fast-paced business environment, the ability to continuously improve processes is crucial for maintaining a competitive edge. This session was a deep dive into the core principles and practical applications of Lean Six Sigma, aimed at enhancing efficiency and driving continuous improvement in our processes—a crucial aspect of effective project management.

The Key Takeaways were:

Understanding Lean Six Sigma: Arpit began with a comprehensive overview of Lean Six Sigma, highlighting its goal to combine Lean's focus on waste reduction with Six Sigma's emphasis on quality improvement, both essential for successful project management.

The DMAIC Framework: We explored the DMAIC (Define, Measure, Analyze, Improve, Control) methodology, a cornerstone of Lean Six Sigma, which provides a structured approach for problem-solving and process enhancement—key skills for any project manager.

Identifying Waste: One of the most impactful parts of the session was learning about the eight types of waste (DOWNTIME) and strategies to eliminate them. Streamlining operations and boosting productivity are critical for keeping projects on track and within budget.

Data-Driven Decision Making: Arpit emphasized the importance of using data to identify root causes and make informed decisions. This reinforces the value of evidence-based approaches in achieving operational excellence and successful project outcomes.

Real-World Applications: Through case studies and real-world examples, we saw how Lean Six Sigma principles can be applied across various industries to solve complex problems and drive significant improvements—paralleling the diverse challenges faced in project management.

The attendees found it very interesting. Few comments from feedback

· very simple informative good presentation
· suit to layman audience
· kaizen explained by breaking into small components.
· nice example of lean mindset

A big thank you to Arpit for sharing his expertise and passion for process improvement! Vote of Thanks was given by Mr Amod Pusalkar, VP-Marketing, PMI Mumbai Chapter.

This event was attended by around 100+ attendees and 2 PDUs were given to attendees.
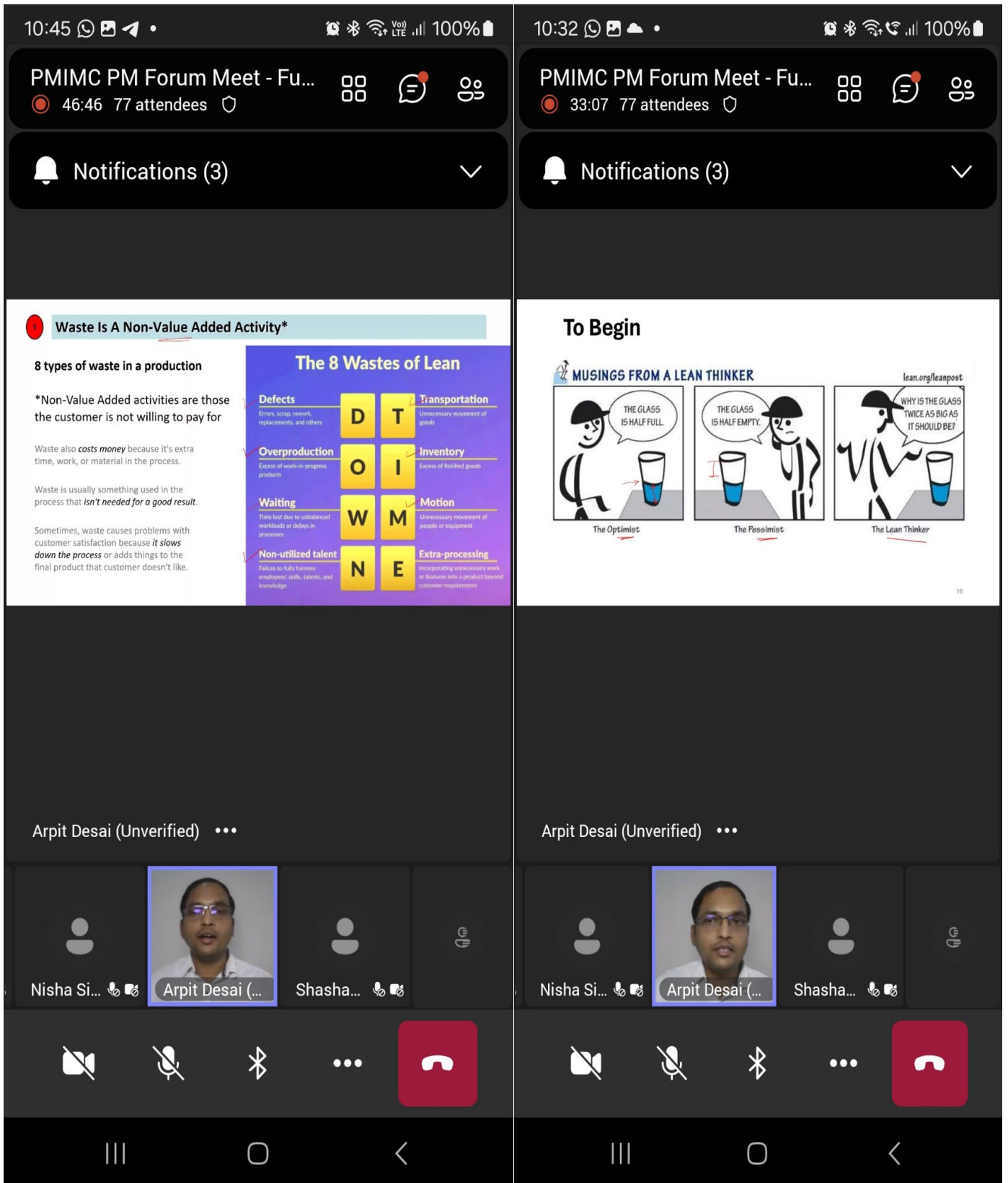
In April 2024, PMI Mumbai Chapter conducted 2nd batch of PMP classroom training for Nayara Energy in their campus. The employees from various offices in India have come down to Mumbai office for the training. They all were very enthusiastic to learn new concepts.

There were 20+ participants from different domains. They were from different domains like Infrastructure, Retail / Sale, Procurement, Asset Development, Inspection, Maintenance, Compliance and Security, Refinery, Corporate, etc. As they were from different domains, they were having healthy discussions among themselves on the Project Management Concepts they were learning along with their own domain expertise. They all were dedicated to learning most of the PM best practices and enthusiastic how they can leverage the new practices in their projects. Few glimpses of the participants attending the training.

Thank you, Nayara Energy, for giving us again this opportunity. Thank you, Manisha Patnaik who worked, very hard to arrange everything and make this happen."

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On May 11th, 2024, the Project Management Institute (PMI) Mumbai chapter hosted 2nd session under the PMP Exam Guidance Series, specifically designed for aspiring Project Management Professionals (PMPs). The session aimed to equip individuals with the knowledge and tools necessary to successfully navigate the PMP exam and achieve this prestigious certification.

The session offered valuable insights from experienced coaches Mr. Ninad Kulkarni and Mr. Abhishek Upadhyay.

They covered a range of essential topics to help you navigate your PMP journey successfully.

The coaches covered on

- They provided guidance on the PMP application process. Attendees learned about documenting experience, scheduling the exam, and number of attempts permitted.

- They also throw light on how to equip oneself for success, like Eligibility and Qualification Process, Exam Preparation Resources, Time Management Strategies, Knowledge Assessment Tools, Exam Tips and Tricks, etc.

- They explored various study methods to cater to different learning styles like, Structured Learning Resources, Mock Tests, Self-Assessment Techniques, etc.

By attending this informative session, PMI Mumbai Chapter empowered aspiring PMPs with the knowledge and resources they need to confidently navigate the PMP certification process. This session equipped them with the tools and strategies to excel in the exam and advance their project management careers.

PFA the photos from the PMP Exam Preparation Guidance webinar.

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A few days ago, on 29 June 2024, PMI Mumbai Chapter conducted an insightful session on 'Being Busy & yet remaining Easy within'. The session was conducted by Sister Deepa from Brahma Kumaris. This session took us all into deep dive of how one can relax his/her mind while being busy in professional path.

In today's fast-paced business environment, the ability to relax our mind is a necessity to keep pace with competitive edge. The members were able to correlate the topic with themselves. It was a great takeaway for them. The valuable feedback we received encouraged us to conduct such sessions more as this is the need of time.

- Simply very good, well conducted, very informative and insightful session
- We can relate this to our own situation
- Project Managers are finding this good to focus upon
- Great feeling, very relevant topic
- Gave something new to learn on positivity in thoughts, great takeaway
- Subject was good, need more such sessions
- Clearly explained by the speaker. Got many inputs for managing stress.

A big thank you to Sister Deepa and Brahma Kumaris for sharing these valuable learnings with all our members!

This event was attended by around 110 attendees and 2 PDUs were given to member attendees.
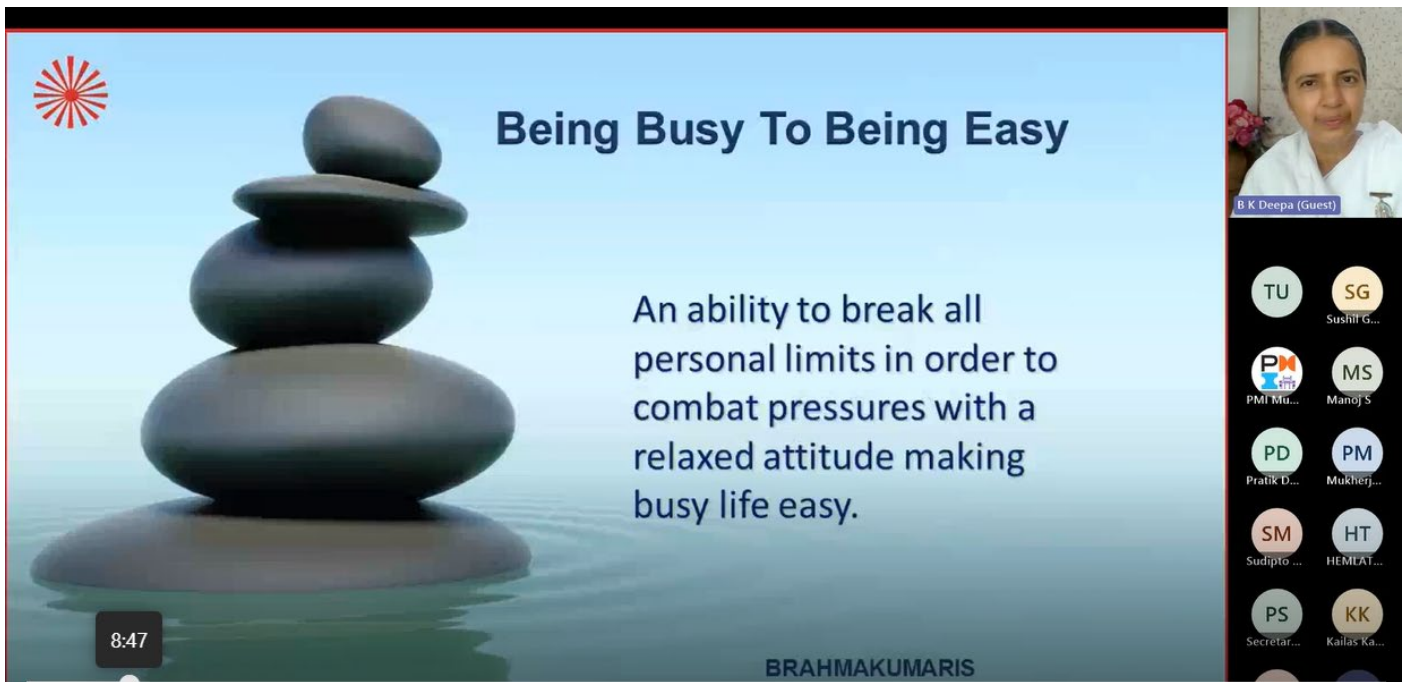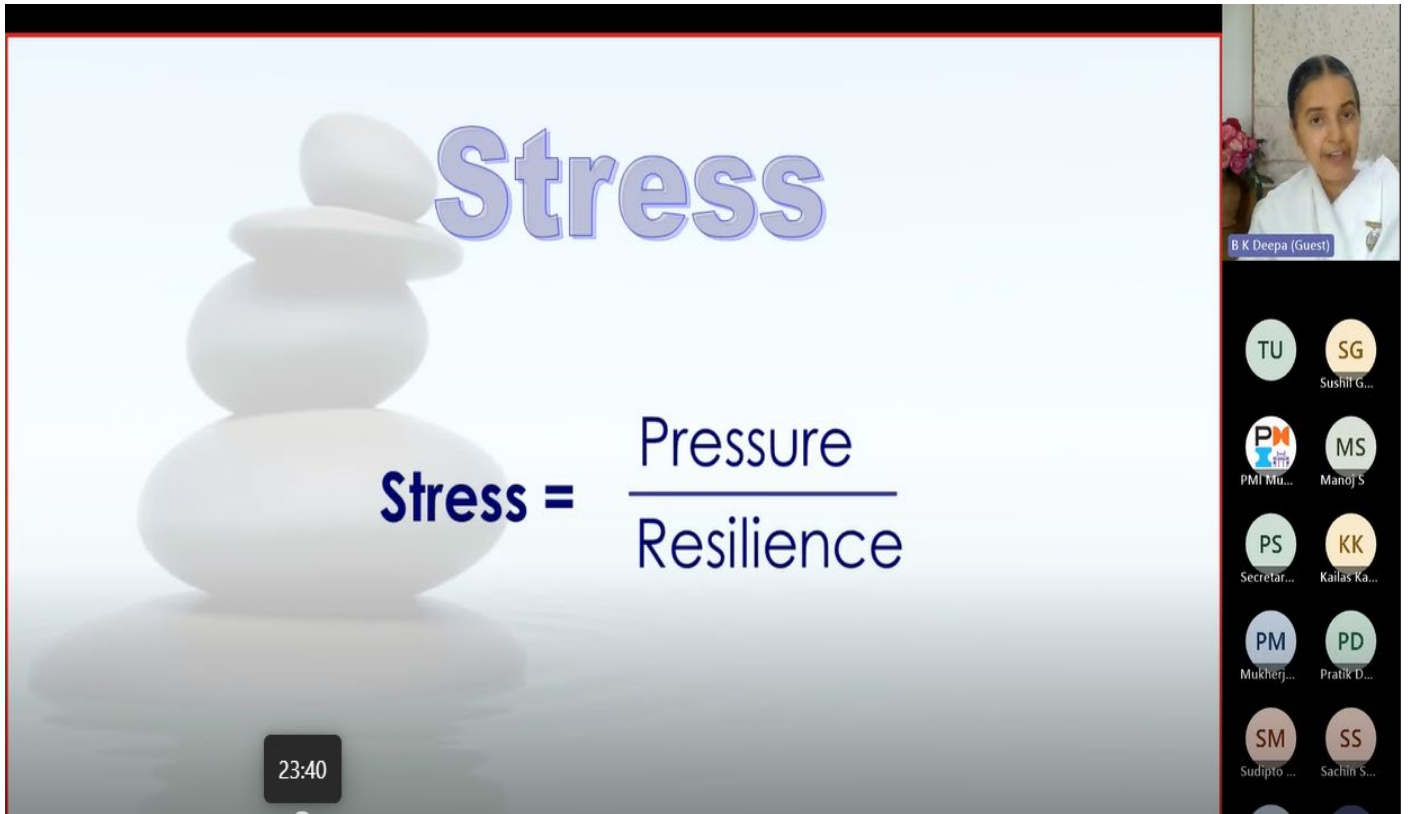
Planning For a Financially Secure Future!

Webinar on Planning for a financially secure future on 27 April 2024 by Shilpa Wagh. The speaker gave us good knowledge on how to manage our finance by selecting the most suitable investment vehicles; how to be prepared for financial emergency. This one-hour session was highly informative, useful. All the participants had great learnings on Wealth Management and Financial Planning. The feedback we got were overwhelmingly positive.

UPDATES OUTREACH PORTFOLIO

Between April to June 2024,

1. Signing of MoU with VJTI

2. PMIMC team went to visit Symbiosis Nashik in April to June 2024

3. PM Overview session held on 6th June in Symbiosis Nashik

4. Signing of MoU with MeT Bandra

5. PMI overview session held on 24th July in Symbiosis Nashik

6. Beach cleanup:

PMI Mumbai Chapter collaborated 🤝 with Project Mumbai

☀️ Proud to have volunteered for Clean Coasts! 🌀 on "World Oceans Day"

Protecting Mumbai's water bodies is a cause close to my heart, and I'm grateful to have been part of this initiative by Project Mumbai, held on June 8th, 2024. Let's continue to make a difference together! 💪

7. Glimpse of "Dnyansarita" in 2024 Book distribution event at HWCT Foundation, shelter of love on 2nd June

PMI Mumbai chapter visited the and had an hour of interaction with the little kids at the HWCT INDIA FOUNDATION Shelter of Love, Naigaon. We feel responsible to contribute to this social cause and make an impact.

8. Book collection

We thrilled to share that, through our collective efforts, we successfully raised funds to purchase 1322 books! 📚 These books will bring joy and knowledge to 160 underprivileged children. 🌈📖

A heartfelt thank you to everyone who donated and supported this cause. Your generosity is truly making a difference in these children's lives! 🙏
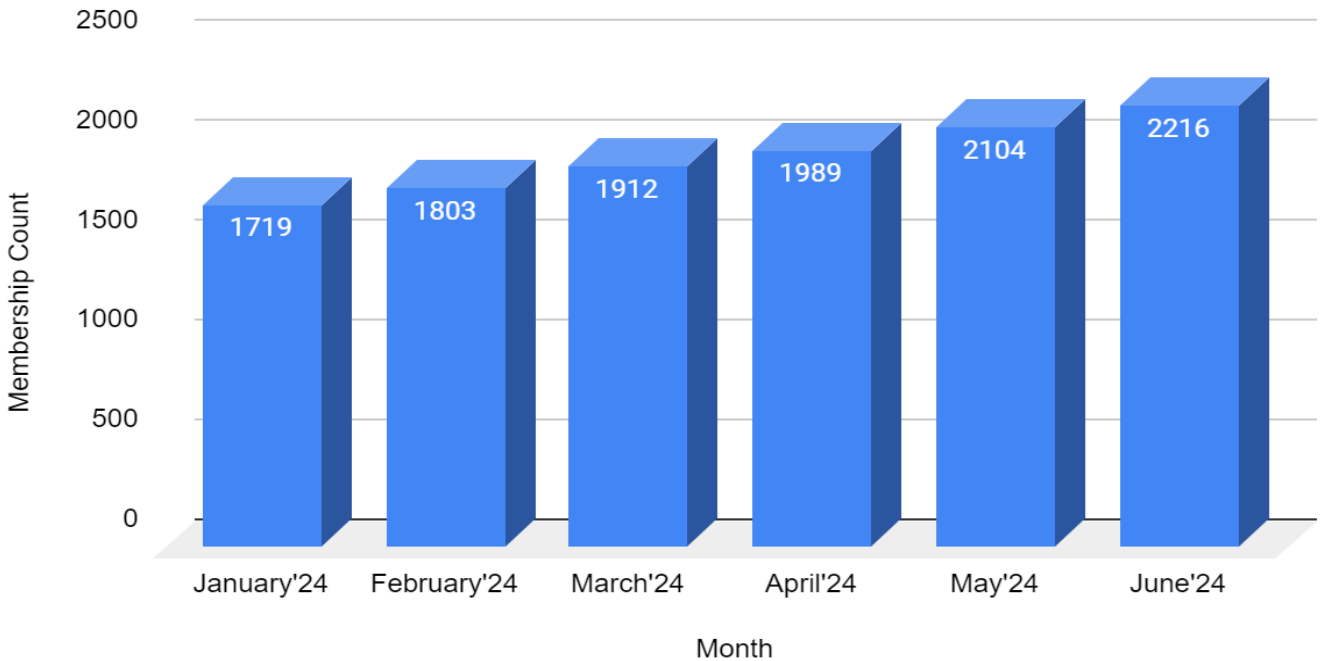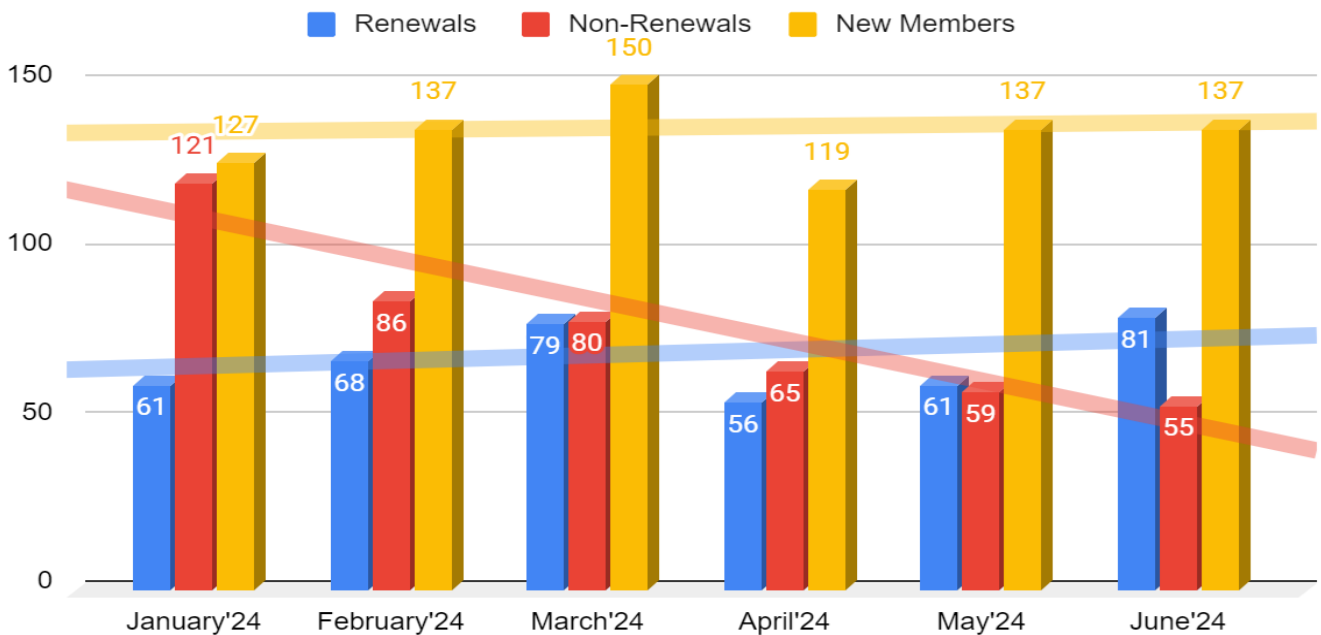
Symbiosis Nashik

MOU with MET college

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UPDATES MEMBERSHIP PORTFOLIO

Membership Count vs Month

Renewals , Non-Renewals and New Members

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About Conclave-NX 2024

The **PM Conclave-NX 2024** is our flagship event, celebrating the project management profession and bringing together Leaders, industry professionals, PM practitioners, domain experts, academic institutes eminent faculties, students, and corporate sponsors. This year, our theme is "**Project Leadership Re-imagined: 'AI' as your CoPilot**".

Join us at PM Conclave-Nx 2024 to equip yourself with the knowledge and tools needed to excel in an ever-evolving technological landscape. This event promises to be a cornerstone for advancing project leadership, management practices and fostering a collaborative, innovative community.

Why should you attend this Conference?
Attending PM Conclave-Nx 2024 offers numerous benefits for industry professionals, academia and corporates looking to stay ahead in their field. Here are compelling reasons to join this flagship event:

- *Gain Insights from Keynote Speakers and SMEs*
- *Discover the Cutting-Edge Trends Shaping the Profession*
- *Connect with Industry Leaders and Practitioners*
- *Develop Comprehensive Skills Covered Under the PMI Talent Triangle*
- *Earn Professional Development Units (PDUs)*

Visit our Conclave page for more details.

Do you know who PMI Mumbai Chapter Members are and what they do?

1. They are multifaceted leaders.
2. They are not restricted by the borders - they collaborate with other PMI chapters around the world and co-create the PMI Chapter Xchange program.
3. They drive the initiatives to shape next generation leaders through the –
   - G.R.O.W - Guide, Raise, Provide Options, for Way forward – our mentoring program for the GenZ.
   - Student's Clubs
- Career Pe Charcha: Exploring Pathways – which brings the industry experts and young graduate/post graduate students on a common platform where the experts provide insights on how to choose and pursue a career that one is passionate about.

Are you a PMI Mumbai Chapter Member? - Not yet?

Become a PMI Mumbai Chapter Member Today and

- Be the Multifaceted Leader.
- Grab opportunity to bring changes in society.
- Hone your skills.
- Never stop learning.

WE ALWAYS SAY –

"GOOD THINGS HAPPEN WHEN YOU GET INVOLVED WITH PMI"

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