Project Management Institute Bangalore India

PM Essence

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PM Essence

"The mission of PM Essence is to facilitate the exchange of information among professionals in the field of project and program management, provide them with practical tools and techniques, and serve as a forum for discussion of emerging trends and issues in project management. PM Essence is YOUR Newsletter and the Bangalore Chapter welcomes story ideas and/or suggestions to make it better. More information can be found on the Chapter's website".

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"Clever old man of the forest in temple yard"
Advice from an owl: stay focused, be who you are, live off the land, glide through the dark times, be observant, because life's a hoot!
Photo shot at : OsiyaDham Tappa, Chhattisgarh - 491557
Pic shot by : Raja Bafna

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Dear Readers,

Hope you all are safe and taking care of yourselves in these tough times.

I am pleased to present you the May edition of the PM Essence Newsletter, in this edition we are covering a variety of topics from some esteemed guest authors.

- How emerging technologies like AI/ML, IoT, Cloud Computing are impacting the 4Ps of the project management world by our Senior Colleague from PMI Bangalore Chapter Karthikeyan
- Supply Chain Expert Sandeep Chatterjee shares perspective on the application of agile project management to modern supply chains
- A comprehensive view on handling injuries in construction management by Hamza
- We have our reader's favorite Cartoon By Chankit
- Introducing Crossword Quiz compiled by Nikita
- Chapter News from Arun
- Membership Corner from Bala

Thank you for your continued readership and looking forward to presenting you with more such insightful content.

Thanks and Best Wishes
Raju Dhole, PMP

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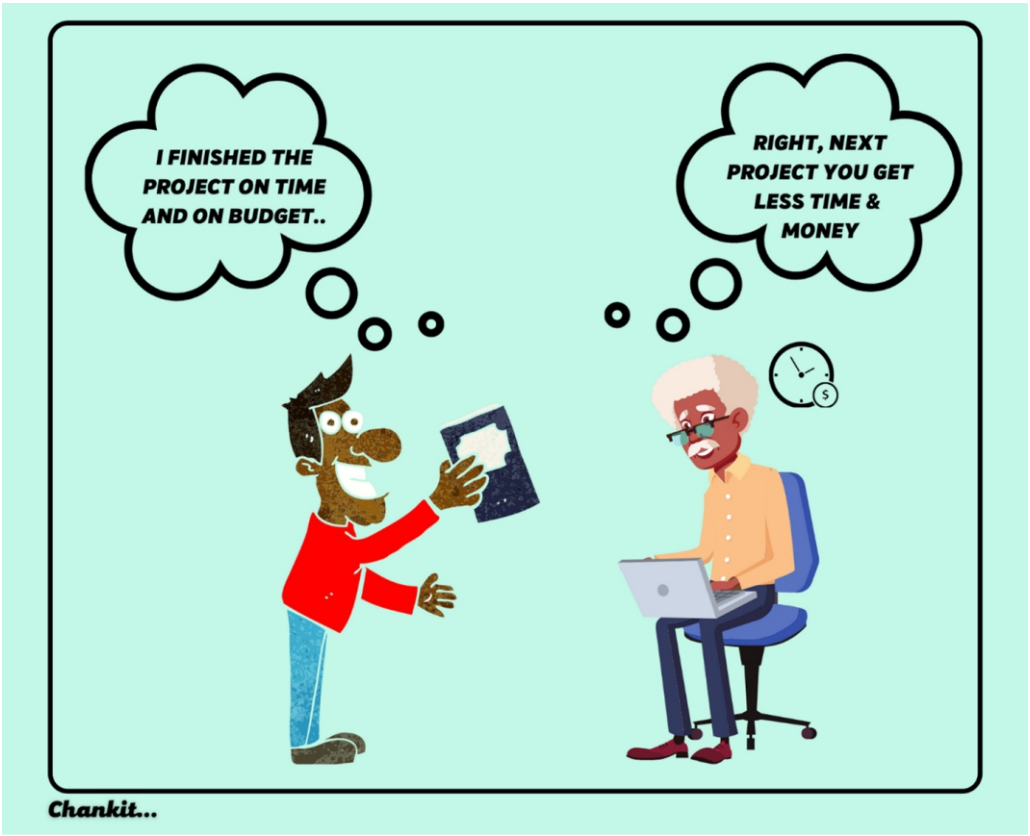
Editor's Note

Editorial Content Credit :
Nikita Pareek

PM Cartoon





Impact of emerging Technologies on the 4Ps (Project, Program, Portfolio and PMO)

Kartikeyan Ramamurthy

PM Guest Article

This article is an excerpt from sessions done by the author of the article at PMI Indonesia, PMI Singapore, IIM Trichy & IIT Kanpur over 2020-21

The advent of new age/emerging technologies like AI/ML, IoT, Cloud computing seems to be impacting and enabling various industries and competencies to varied extent. This made me wonder as to how this impacts our own world of Projects, Programs, Portfolio and PMOs.

If we were to go by Garter, who in 2019 proclaimed that "80% of today's project management tasks would be eliminated by 2030 as AI takes over". Obviously Gartner's view cannot be taken lightly, but we also know that these technologies will simultaneously enable our work as project managers.

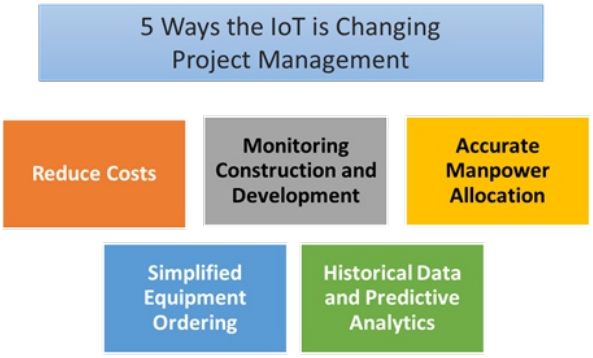
The PMI Pulse of profession in-depth research in 2018 mentioned that cloud, IoT and AI/ML were the technologies giving competitive edge to organizations.



AI/ML clearly seems to be making an impact in the world of 4PS. The impact could be in bringing better insights, risk management, human capital optimization, Optimized schedules and enhanced & improved portfolios. There are already tools from companies like Aangine, Forecast, Aptage (now part of Planview) that are already addressing the scheduling, risk management and improved portfolios with abilities like real time multi horizon plan, algorithm-based portfolio prioritization. Bots and active assistants (eg. PMOtto.ai) will alleviate the challenge of updating tasks, adding risks for the project as well as for KPis and reporting synchronized with the enterprise PM tool. It also enables project managers at projects to be well synchronized with HQs and could reduce administrative overheads.



IoT on the other hand seems to be impacting certain industries specifically, with possible benefits in terms of better monitoring & control, improved manpower allocation, health & safety, Predictive analytics. The engineering, construction, manufacturing industries obviously are the pioneers in this area.



Cloud computing is clearly the most mature of these technologies in terms of technical development and adaptations. This is really given a push in managing technology infrastructure projects with lower IT operational costs, faster and easier time to market for IT implementation projects and fostering innovation through a flexible and adaptive ecosystem. However the risks on the security are still a concern and need to be monitored especially in case of large organization implementations.

There are other technologies like Blockchain which are also expected to impact project management. Certainly one use case is that we will have irrefutable single source of truth. Hence project monitoring and its efficiencies can be managed very well. Of course the ROI for such use cases has to be established and so

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Kartikeyan Ramamurthy

Kartikeyan Ramamurthy is currently working with Amadeus Labs as Director – Strategy & Coordination. He is certified as PfMP, PMP, PMO-CP, DevOps Leader. He is on the Board Of Directors - PMI Bengaluru Chapter also Country Regional Ambassador of PMO Global Alliance.

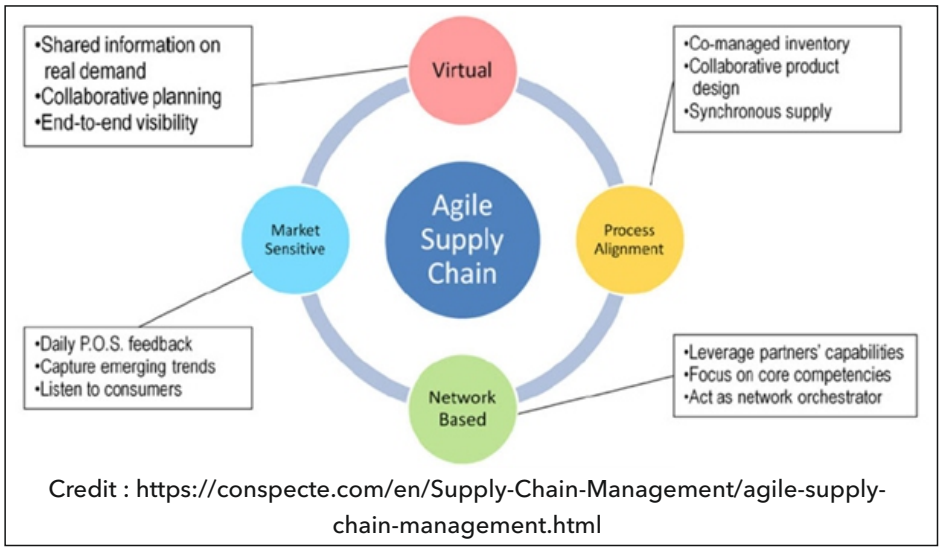
Guest Article



Should Supply Chains be Run as Multiple Agile Projects?

Sandeep Chatterjee

To put it precisely, supply chain is all we do to deliver a product or a service to a customer. Though it logically starts with Tier3 suppliers and culminates in after sales services, it actually starts with the customer and all the activities are interconnected with multi-directional flow of information, material/service and money. The importance of supply chain has risen to unprecedented levels during the pandemic where demand-supply match was the critical metric to save lives in all walks of life. While all these years supply chains have been wrongly identified with purchasing or logistics, this function is of paramount importance these days primarily due to the drastic reduction in customer tolerance times. Today's supply chains are both efficient and resilient, profit-centres and are increasingly agile.



Credit : https://conspecte.com/en/Supply-Chain-Management/agile-supply-chain-management.html

With rapid strides in technology and need of the hour, today's supply chains are designed against the backdrop of multiple what-if-scenarios and are 24 x 7 ON Networks. But there is a myth that supply chains are planned overnight and it is all about just in time. It is important to understand that to arrive at a schedule at a minute by minute level, there is a methodical long-term planning, medium term planning and a short-term planning.

This brings us to the interesting discussion on whether agile project management principles can be used to run the modern supply chains. To put it precisely, agile project management delves on the principles of an iterative approach where large projects are broken down into multiple manageable tasks which have a completion in short iterations. Modern day supply chains work on similar ideologies where complex processes are broken down into multiple manageable inter-connected tasks to deliver a product or a service to a customer. Since supply chains are non-linear and multi-directionally connected, an ever-increasing group of tasks are completed in short iterations to minimize the classic bull-whip effect. The key components of agile project management namely user stories, sprints, agile board, stand-up meetings and backlog also have an avatar in supply chains. The user stories are equivalent to the functional task descriptions , sprints are completion of a certain group of tasks within a certain time period (with necessary feedback loop), agile board is the modern-day control tower, stand-up meetings are collaboration across functions and backlog is identifying the red zone in the supply chain. But the similarity ends here. A project has a definite start date and an end date while supply chains are eternal. A project works on an identified need and has a definite charter, metrics and goals while supply chains are going concerns, are extra-ordinarily dynamic and the goals and metrics do not follow the one-size fits all. Modern day supply chains thrive in a better customer experience at each moment and operate in highly unambiguous conditions.

To summarize, some of the principles of agile project management can be readily used to support the modern-day adaptive supply chains.

Sandeep Chatterjee

Sandeep is an Associate Director with Deloitte with responsibility for engagements in advisory practice. Prior to Deloitte, he has worked with KPMG, Tata Motors, Lafarge, Infosys and Oracle Consulting and his key strengths lie in the areas of supply chain management, business process reengineering, emerging countries enablement, network optimization, Emerging Technologies. He holds an MBA from Indian Institute of Management, Kozhikode and a Bachelor of Engineering (Mechanical), Bengal Engineering and Science University, Shibpur (formerly Bengal Engineering College).

How to Handle Work Injuries in a Construction Project Management

Hamza

PM Guest Article

Employees are considered to be an asset to the company. The good the employees are, the successful a company is. But some businesses are more concerned about their profits and try to minimize the costs by compromising workers' health.

It especially happens in the construction sector. Supervisors are more concerned about the completion of a project instead of their workers' health. But successful project management isn't possible without the satisfaction of employees. For their satisfaction, you should give them the due wages and provide safety at work.

Often, project managers (PMs) fail to tackle the workers' injuries at work and create problems for them. In this post, we are going to have a look at why workplace injuries are bad for a project manager (PM). Why is it crucial to deal with injuries at work? How to tackle the injuries at work for a successful construction project management?

Despite that, we are more inclined towards the construction sector in this post. It is merely for understanding. Almost every project management is a threat of injuries at work. Hence, you should know how to handle them. Let's get started:

Are Work Injuries Threat For A Successful Project Management?

Some managers don't even pay heed to the work injuries thinking it to be an unnecessary part. But it can be threatening not only for the project or PM but also for the company. Let us get started to know more about how injuries at work are a threat to a company.

1. Delay In Project Completion

Sometimes, injuries can be serious that may require the workers to be at home instead of working. It may result in the loss of working days. If frequent accidents start happening at work, more and more workers will be absent from work. Substituting this workforce on an immediate basis may not be possible. It may lead to a delay in the project. Subsequently. It may create problems not only for the PM but also for the company.

2. Bad Reputation of A Project Manager

The job of a manager is to keep track of everything and ensure a smooth workflow. If that doesn't happen, it may question their managerial skills. Injuries at work can delay the project and decrease employees' satisfaction that can cast a slur on a manager's name. It is the job of a manager to make sure that the employees are getting everything they need to work safely.

3. Increased Number of Accident At Work Claims

Accident at work claim is the amount of compensation that is given to the victims of a work accident. It includes everything from their medical and travel expenses to the victim's loss of earnings, work-related benefits, and the cost of structural changes. It may be a huge burden on a business. To reduce the injury at work claims against the business, you have to bring down the number of injuries at work.

How To Reduce Work Injuries For A Successful Project Management?

Till now, you have come to know about how work injuries can be a pitfall for a manager and a business. It's time to know some precautions. Being a project manager, you should know how to reduce the number of accidents at work to ensure a smooth workflow. Let's have a look at the five ways to bring down the number of accidents at work.

1. Provide Safety Equipment

A construction site is full of risks. Getting hit by a falling object, stepping on a nail, and tripping against an object are some of the most common injuries in it. The best thing to do is to provide your workers with a helmet, long shoes, and other kinds of safety equipment to reduce the number of accidents at work.

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Chapter News

Arun Malavalli

The Chapter conducted below events successfully

PM Footprints Webinar: Chapter conducted PM Footprints webinar on 10th April 2021. Topic was "Managing Polarities - Beyond Black and White" . Speaker was Mr. Gaurav Chadha. The event was well received with over 100 participants attending.

E&C PM Footprints Webinar: Chapter conducted E&C PM Footprints webinar on 10th April 2021. Topic was " Force Majeure - Still Forcing it Major". Speaker was Mr. Govindarajan G. The event was well received with over 100 participants attending.

PMP QUEST: PMP QUEST was successfully conducted on 17th, 18th, 24th & 25th of April 2021.

How to Handle Work Injuries in a Construction ... continued from Page 5

2. Provide Training To The Workers

Some workers aren't experts at working with machinery. If there is a new piece of machinery or a worker is not trained properly. Give them proper training before getting them to work with a particular piece of machinery. It will certainly bring down the number of injuries on a construction site.

3. Hire A Trained Staff

Instead of training the old staff, you can also hire someone who has years of experience in the field. An expert can do the job with perfection. Being a manager, you can significantly reduce the number of accidents simply by hiring trained staff. But still, never undermine the importance of training. Always train them whenever purchasing new equipment or changing their work nature.

4. Regularly Inspect The Machinery

Injuries by operating faulty machinery are also common in the workplace. Workers have even lost their lives working with an out of order machinery. That is why you should hire mechanics who will inspect the machinery after regular intervals to keep it working properly. You can also reduce a significant number of injuries by doing this simple trick.

5. Take Care of Employee's Health

This one isn't just related to the injuries at work but focuses on the workers' health. Sometimes, workers have to work under sweltering conditions that may lead to heat-stroke or some other health conditions. Being a manager, it is your duty to make sure that the employees are getting a health-friendly environment.

Bottom Line

Accidents and injuries at work can be a challenge for a manager. When you start managing a construction or other project, always keep the workers' safety and health above anything else. The real project success is to complete the project without compromising the health of the workers.

Impact of emerging Technologies on the 4Ps ... continued from Page 3

does the veracity of block chain outside of the financial services and banking industry.

In summary, while we do see emerging technologies impacting the 4P world and possibly even disrupting it in some way, it will largely enable projects to function more effectively and efficiently. Clearly the cost is one aspect that needs to be lookedat very closely for this to be viable.

Looking forward to this space to evolve further !!

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PM Member's Corner

We welcome all new members and thank members who have renewed their membership in April 2021.

Members completing their Anniversaries in April 2021

A total of 96 chapter members who have completed their anniversaries in April 2021. We from the chapter would like to thank them all for being with us through thick and thin and support us for these long years. Some of the notable long terms (10 years and above) are given below.

15 Years (Since April 2006)

- Mr. Chezhiyan Anandaraj
- Mr. Rohit Sharma
- Mr. Varadaraja Gorur

13 Years (Since April 2008)

- Mr. Niranjan Joshi
- Mr. Sridhar Narayan
- Mr. Shreenivas Bhat

12 Years (Since April 2009)

- Mr. Shivaram Vedula
- Mr. Kiran Sahadev
- Dr. Manjunatha B.V.

11 Years (Since April 2010)

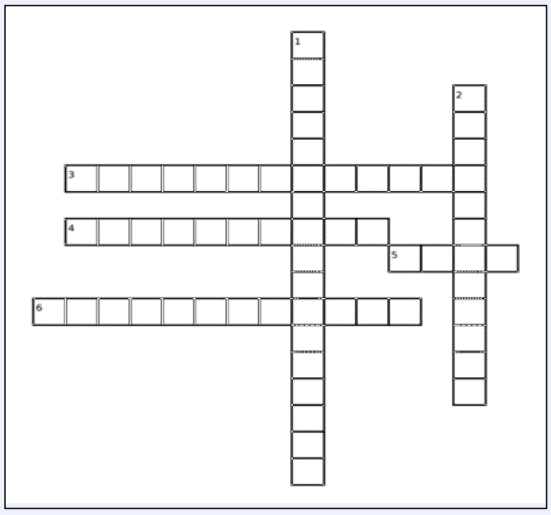
- Mrs. Bindu Valapil
- Mr. Pawan Sinnurkar
- Mr. Kumar M

For any queries or suggestions, please write to **Balakumar Chinnaiyan,** VP Membership, PMI Bangalore India Chapter at **membership@pmibangalorechapter.org**

PM Quiz

Crossword Quiz

Quiz Name: Lexicon of Project Management



Compiled by Nikita Pareek

Down:

1. Time or Money management set aside in addition to the baseline
2. The sequence of activities that represents the longest path through a project

Across:

3. A formal proposal to modify a document, deliverable, or baseline.
4. The uncontrolled expansion to product or project scope without adjustments
5. The amount of time whereby a successor activity can be advanced with respect to a predecessor
6. The risk that remains after risk responses have been implemented

Answers:

1. Management Reserve
2. CriticalPath
3. ChangeRequest
4. Scope Creep
5. Lead
6. Residual Risk

CHAPTER EVENTS

PMP QUEST
PMI BANGALORE CHAPTER

Important Online PMP QUEST Training Dates :
22nd, 23rd, 29th and 30th May 2021

E & C PM Footprints Webinar — May SAT 08

PM Footprints Webinar — May SAT 08

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