

# Workshop on Total Project Management



## Why Implement TPM?

The Project management is the discipline of initiating, planning, executing, controlling, and closing the work of a team to achieve specific goals and meet specific success criteria. A project is a temporary endeavor designed to produce a unique product, service or result with a defined beginning and end undertaken to meet unique goals and objectives, typically to bring about beneficial change or added value. The temporary nature of projects stands in contrast with business as usual, which are repetitive, permanent, or semi-permanent functional activities to produce products or services. In practice, the management of these two systems is often quite different, and as such requires the development of distinct technical skills and management strategies.

The primary challenge of project management is to achieve all of the project goals within the given constraints. This information is usually described in a user or project manual, which is created at the beginning of the development process. The primary constraints are scope, time, quality and budget. The secondary — and more ambitious — challenge is to optimize the allocation of necessary inputs and integrate them to meet pre-defined objectives.

## Program (as per ICB Ver4)

### Project Management Foundation

- Need for Project Management benchmark
- Project, Programme, Portfolio
- Product & Project lifecycle
- Project Management Success

### Organization

- The Strategy
- Governance, structures, processes
- Compliance, standards, regulations
- Power & interest
- Culture & values

### Stakeholder Management

### Scope Management

- Requirements (Functional, Non-functional)
- Product Scope
- Project Scope
- Work Breakdown Structure and its types
- Scope Creep & Gold Plating
- Configuration Management

### Schedule Management

- Project Network Diagram (Activity on Node diagram)
- Estimation
- Critical Path Method & Network analysis
- Schedule compression (Crashing, Fast tracking)
- Resource histogram, smoothing, levelling
- Gantt & Milestone chart

### Cost Management

- Formulating Project Budget & S Curve
- Contingency & Management reserve
- Chart of Accounts & Cost breakdown structure
- Direct & Indirect cost

### Earned Value Management (EVM)

- Quantitative Project Performance Measurement
- Forecasting Budget & Project duration
- Application of EVM for uniform and un-uniform work

### Risk & Opportunity Management

- Risk identification & aiding tools
- Qualitative & Quantitative Risk Analysis
- Strategies for addressing negative & Positive risks
- Risk Response Planning, Residual Risk & Risk control

### Procurement Management

- Contract & Purchase order
- Steps in Procurement
- Types of Contract
- Supplier management

### Quality Management

- Quality concepts
- Quality Planning, Assurance & Control
- Cost of Quality
- Quality tools

### Resource Management

- Resource Planning
- Project Organization, Responsibility Assignment Matrix
- Project Communication

### Monitoring & Control

- In addition to EVM which is already covered,
- Change Management
  - Milestone trend chart

### People Competencies

- Self-reflection & self-management
- Personal integrity & reliability
- Personal communication
- Relationships and engagement
- Leadership & Teamwork
- Conflict and crisis

# Project Management Associates (PMA)



PMA is a not for profit registered Society, established in 1993, with the vision to 'Create a Project Oriented India.

PMA, as a National Association of Project Managers in India is actively engaged with the Industry, Academia and Govt. Departments to promote competence based Project Management. PMA strives to promote competence at different levels to facilitate successful completion of all projects. Competence

building and development of Project Management Mindset across Industry, Academia and Government are undertaken by PMA through its global and national level events, certification, membership, workshops etc. Classroom trainings are conducted by independent accredited organizations/freelance individuals qualified for the task. PMA actively recognizes the spirit of excellence among Projects, Young Project Managers, Project Leaders and Organizations through Excellence Awards.

PMA is the Exclusive Indian Member of the International Project Management Association (IPMA), a Federation of Member Associations representing 72 countries and a leading global authority on Project, Program & Portfolio Management. Appropriate best practices in Project Management, learnt and shared by IPMA, from their wealth of experience and knowledge base, are passed over to Project practitioners and Academia by PMA.

## Who is behind PMA



Dr. Pillai graduated in Electrical Engineering from Madras University, underwent Management Programme at Harvard Business School, and obtained PhD from Pune University and D.Sc from Tumkur University. Dr. Pillai's four decades of experience in ISRO and DRDO under the great visionary leaders Dr. Vikram Sarabhai, Prof. Satish Dhawan and Dr. APJ Abdul Kalam made him a Technology Leader in the field of launch vehicles and guided missiles. His contributions to the successful development of SLV-3 as a core team member and evolution of PSLV configuration for ISRO have been remarkable. Fmr. Chief Controller DRDO (Special Secretary to Govt. of India) and until recently, Distinguished Prof. at ISRO, he is currently the DRDO Dr. D S Kothari Chair (Research and Innovation), IIT – Madras.

Dr. Pillai's skills in networking multiple institutions for the development of critical missile technologies overcoming denial regimes enabled realization of Agni, Prithvi, Nag and Akash missiles under the IGMDP as its Programme Director.

BrahMos Aerospace is a unique Joint Venture, first of its kind between India and Russia to design, develop, produce and market the most advanced supersonic cruise missile. His outstanding leadership qualities made India proud to possess the fastest, highly precise and the most potent missile BRAHMOS which is now inducted in the Indian Armed Forces. BRAHMOS is a world leader in the family of Cruise Missiles surpassing those in the developed countries. As the founder CEO&MD of the Joint Venture, Dr. Pillai is regarded as the "Father of BrahMos" which has become a role model for establishing joint ventures between the countries.

Well-known as a defence technologist in the world, Dr. Pillai has been recognised by many prestigious engineering and management institutions with Fellowships. He has received Fifteen Honorary Doctorates from reputed Universities of India and Russia. The Moscow University of "Security, Defence and Law Enforcement" honoured Dr. Pillai with the "Order of the Peter the Great" and the Academician of the University. Dr. Pillai has published many papers in the international and national journals and conferences. Dr. Pillai has written many books including Revolution in Leadership, The Path Unexplored – Success Mantra of BrahMos, Nano Science and Nano Technology for Engineering. He is the co-author with Dr. Kalam for the books (a) Envisioning an Empowered Nation and (b) 'Thoughts for Change – we can do it'.

Dr. Pillai is a recipient of various prestigious awards including Technology Leadership Award, Dr. Vikram Sarabhai Research Award, Organization for Industrial, Spiritual & Cultural Advancement International Award from Japan, Raja Rammohan Puraskar, Lokamanya Tilak Award, Lal Bahadur Shastri Award, Performance Excellence Award from Institution of Industrial Engineering, and most importantly Padma Shri (2002) & Padma Bhushan (2013) by the Govt. of India for his contribution to Aerospace and Missile Technologies and "ORDER OF FRIENDSHIP" by the Govt. of Russian Federation, the highest Russian Award for the foreign citizens of highest order.

## Who / Why to Attend

Professionals across all levels who want to understand the intricacies of Project Management and want to excel in managing projects to advance their career.

### Dates

26 - 28 Aug 2019 (0930 - 1730 hrs)  
(Mon - Wed)

### Venue

Project Management Associates  
FC-33, Plot No 1 & 2, Periyar Centre  
Institutional Area, Jasola, New Delhi

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## For more details contact to:

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