पत्तन, पोत परिवहन
एवं जलमार्ग मंत्रालय
MINISTRY OF
PORTS, SHIPPING
AND WATERWAYS

सत्यमेव जयते

WORKSHOP ON I.T. PROCUREMENT & PROJECT MANAGEMENT

29-APRIL-2025

ORGANISED BY:-

IT DIVISION, MINISTRY OF PORT, SHIPPING AND WATERWAYS

Table of Contents

MINISTRY OF PORTS, SHIPPING & WATERWAYS

WORKSHOP ON I.T. PROCUREMENT AND PROJECT MANAGEMENT

FOR ORGANIZATIONS UNDER MoPSW

29th April, 2025

TIME	MINUTE TO MINUTE PROGRAMME
9:00 AM – 9:30 AM	**Registration + Tea**
9:30 AM – 9:35 AM	Presentation of bouquets to Senior Officials
9:40 AM – 9:50 AM	Welcome Address and Opening Remarks by Joint Secretary (IT)
9:50 AM – 9:55 AM	Message by Hon'ble Minister (PSW)
9:55 AM – 10:15 AM	Address by Secretary, MoPSW
Forenoon Sessions:	
10:15 AM – 11:15 AM	Review of past IT project failures (Case Studies and Common Themes): Identify successful and failed projects and deliberate on the same.
11:15 AM – 12:15 PM	Root Cause Analysis: Understand RCA and apply RCA to problem projects and situations.
12:15 PM – 1:15 PM	Strategies for Future Success Brainstorm on actions that can make projects successful.
1:15 PM – 2:15 PM	**Lunch Break**
Afternoon Session:	
2:15 PM – 2:45 PM	Digital Centre of Excellence Presentation on DCoE and how its services can be utilized.
2:45 PM – 3:30 PM	**Demonstration:** • Smart Port Analytics and Reporting Solutions Hub (SPARSH) Dashboard currently being implemented in PPA. • Demonstration on AI applications
3:30 PM – 4:00 PM	Presentation on draft IT Procurement Guidelines for consultation.
4:00 PM – 4:30 PM	**Open House Discussion:** • All issues related to making IT projects more impactful • To generate relevant suggestions from members present • Discuss leading practices followed by organizations.
4:30 PM – 4:45 PM	Closing Remarks by Secretary (MoPSW)
4:45 PM – 5:00 PM	Vote of Thanks by Director (IT)
5:00 PM Onwards	**High Tea**

1. *Opening Ceremony*

1.1 Registration

1.2 Lighting of the Lamp by the Distinguished Guests

1.3 Welcome address and opening remarks by Shri. R. Lakshmanan, Joint Secretary (I.T.)

1.4Message by Honorable Minister (PSW) through Video Conferencing

Message by Honorable Minister (PSW) through Video Conferencing

Namaskar,

It gives me immense pleasure to know that my Ministry is organizing a one-day workshop on IT Procurement and Project Management. I believe this initiative will be a crucial step toward strengthening the IT infrastructure across all our organizations.

The Indian Marine sector plan an important role towards the goal of becoming a $5 trillion economy. In recent years, we've witnessed remarkable growth, modernization, and policy support aimed at unlocking the full potential of our ports and shipping industry. As many of you may know, Indian ports handle nearly 95% of our trade by volume and around 70% by value. This clearly shows how vital our maritime infrastructure is to the country's economy and global trade presence.

Moreover, The Maritime India Vision 2030 and the Maritime Amrit Kaal Vision 2047 have laid out ambitious targets for the development of the sector. Information Technology will be the foundation upon which these goals are achieved.

India's digital landscape is evolving rapidly. We have made significant progress in areas such as digital payments, e-governance, smart cities, and healthcare. Our ports must keep pace by adopting digital frameworks that can enhance efficiency, streamline operations, and improve connectivity, ultimately resulting in better service to customers.

The leading ports around the world are already leveraging IT to optimize logistics, manage supply chains, and improve customer experience. I am confident that today's workshop will serve as a platform to exchange ideas and equip our Ministry and its organizations to better plan, manage, and implement IT projects.

I am also pleased to share that we are in the final stages of setting up a dedicated Digital Centre of Excellence with the support of CDAC. This Centre will specialize exclusively in IT projects for the Ports and Shipping sectors. It will provide the technical expertise and capabilities needed to implement IT projects of all scales, and will be available as a resource to all organizations within the Ministry.

This workshop brings together some of the best minds to reflect on past IT project outcomes and chart strategies for the future. I believe it will offer valuable insights into global best practices and emerging trends.

I envision Indian ports not merely as gateways for trade, but as centers of innovation and sustainability. By embracing digital transformation, we can drive efficiency and elevate our ports to world-class standards. Looking ahead, I hope we will also be able to adopt advanced technologies such as Digital Twins and Artificial Intelligence to enhance service delivery and operational excellence. Let us use the insights and collaborative spirit of today's workshop where our IT capabilities in the maritime sector significantly contribute to India's global leadership.

With these words, I extend my best wishes for the tremendous success of this workshop and hope it brings valuable insights and outcomes for all participants.

Namaskar, Jai Hind.

1.5Address by Shri. T. K. Ramachandran,Secretary, MoPSW

2. Sessions

A total of seven Sessions were held during the event to address IT procurement and project management challenges, conduct root cause analysis, and explore strategies to mitigate these issues. Panel discussions were organized on each topic, accompanied by activities designed to encourage participation from attendees. These activities were conducted online, with QR codes generated by the organizers for the questionnaires. The results from these activities provided a basis for subsequent sessions. In the sessions held after lunch, a summary of the Digital Centre of Excellence (DCoE) was presented, along with guidance on IT procurement, highlighting how organizations can leverage its services. Additionally, startups showcased their innovative solutions aimed at assisting major ports and the Ministry and its organizations with legal document review and analytical dashboards. The event concluded with an open-floor discussion, allowing participants to express their concerns related to IT procurement within their organizations.

Session 1: Review of past IT project failures (Case Studies and Common Themes): Identify successful and failed projects and deliberate on the same.

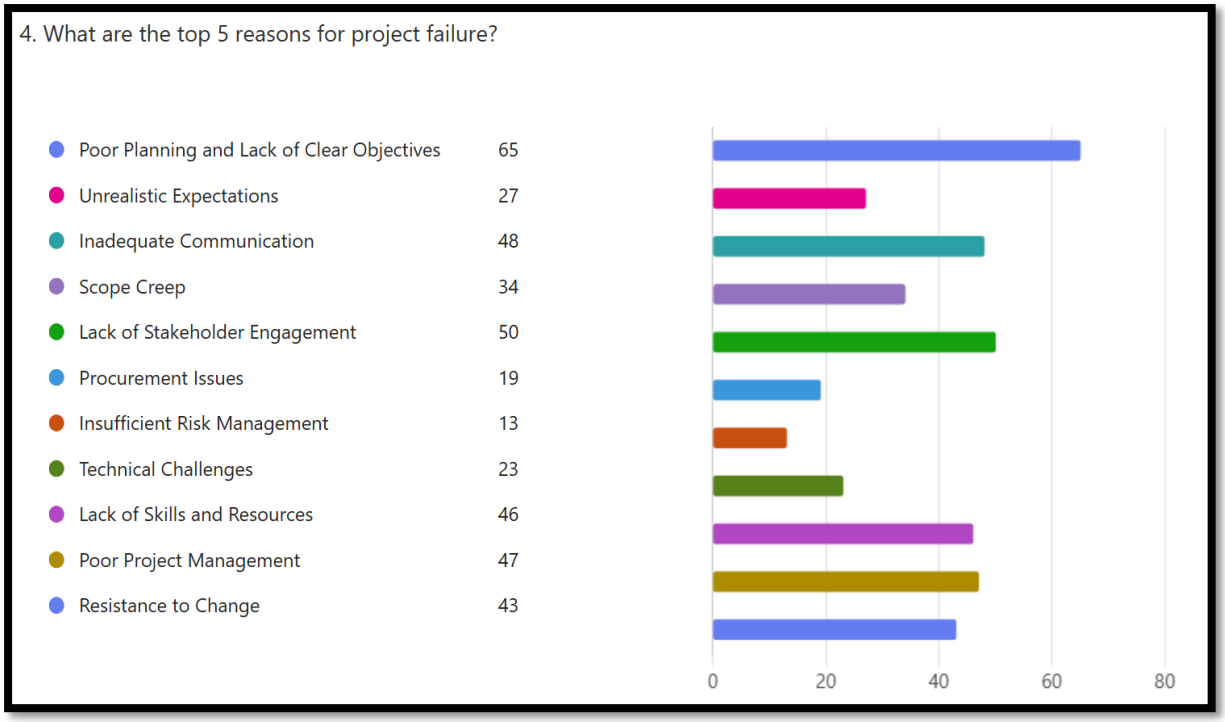
The session designed to address and reflect on the recurring challenges faced in IT and E-Governance projects. Participants engaged in a comprehensive discussion to understand why certain projects fail while others succeed. The workshop underscored the significance of strategic foresight and robust project planning, particularly focusing on vital areas such as planning, clear objectives, communication, stakeholder engagement, skills and resources, project management, and change. These topics formed the crux of the discussions, driven by the need to identify and mitigate potential pitfalls in upcoming projects.

The session was organized around a four-step methodology to tackle these challenges effectively: evaluate, analyze, review, and resolve. The "Evaluate" phase encouraged participants to brainstorm and contrast projects that achieved their objectives with those that did not. This stage was crucial in laying the groundwork for deeper analysis during the "Analyze" phase, where recurring issues and patterns were identified, prompting critical questions about the project's current direction. In the "Review" stage, participants delved into discussions about key parameters for both success and failure, engaging with concerned stakeholders to gather diverse perspectives. Finally, the "Resolve" phase emphasized ensuring that project objectives were thoroughly analyzed, incorporating strategic foresight,

data assessments, and stakeholder input, thereby guiding projects towards successful completion. The structured approach and focus on critical issues aimed to foster an environment of learning and improvement, positioning future IT initiatives for greater success.

In the initial activity, eleven predefined topics were introduced to the participants. Participants were required to scan a QR code and choose their top five preferences, with the results shown beneath. From these eleven topics, the top six with the highest number of votes were chosen for use in the subsequent session's activity. Presented below are the leading six topics along with a tally of results:

S. No.	Topic
1.	Poor Planning and lack of clear objectives
2.	Lack of stakeholder engagement
3.	Inadequate communication
4.	Poor project management
5.	Poor project management
6.	Resistance to change



Session 2 *Root Cause Analysis: Understand RCA and apply RCA to problem, projects, and situations.*

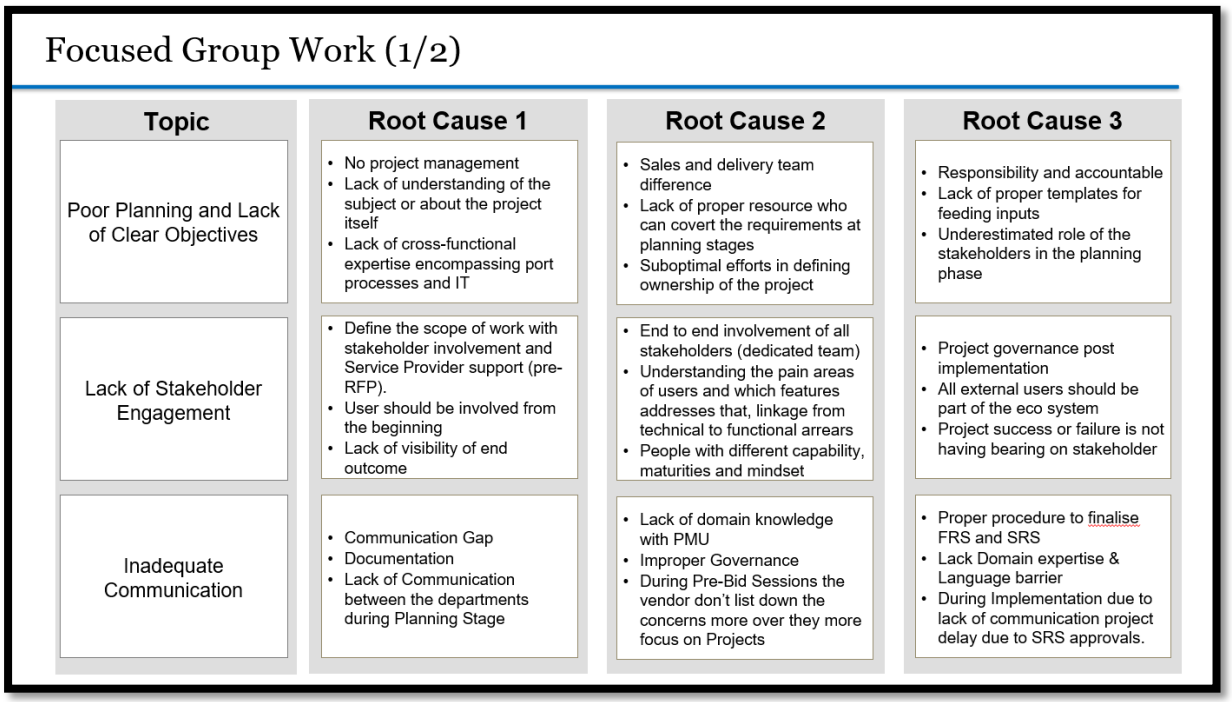
The session focused on conducting a Root Cause Analysis (RCA) as part of the workshop. Participants were divided into groups and tasked with identifying root causes for specific themes as had been previously provided. These included Poor Planning and Lack of Clear Objectives, Inadequate Communication, Lack of Stakeholder Engagement, Lack of Skills and Resources, Poor Project Management, and Resistance to Change. Each group was provided approximately 20 minutes to conduct the RCA and was required to submit the top three identified root causes.

During the session, the importance of defining the scope of work with stakeholder involvement and ensuring active participation through all stages was emphasized. The presentation outlined exercises such as identifying the problem, determining major categories, brainstorming possible causes, and analyzing them to reach the root cause. Techniques like the Fishbone (Ishikawa) Diagram, Pareto Analysis, and the 5 Whys were recommended for effective RCA. It was also noted that cross-functional expertise incorporating both port processes and IT was necessary to enable a successful root cause analysis.

Additionally, it was mentioned that project management background, understanding of the subject, communication, differences between sales and delivery teams, communication during the planning stage, and undocumented procedures were key factors contributing to inefficiencies in IT project management.

The discussions also highlighted the need for proper resource allocation, stakeholder involvement from the onset, and a sound system of governance both pre- and post-project implementation to ensure project success. Emphasis was also made on understanding user concerns, addressing technical to functional linkages, and overcoming language barriers to avoid project delays.

The figures belowhighlight the results from the workshop exercise by the participants:



Focused Group Work (2/2)

Topic	Root Cause 1	Root Cause 2	Root Cause 3
Poor Project Management	• Lack of domain competency & Involvement of Stakeholders • Poor risk management • Lack of clear goals & quality of resources	• Uncleared objectives & requirements • Lack of clear objectives • Poor Planning & Communication	• Poor communication amongst team members & integrator • Not following the sequence of process execution • Non-Managing of Risk in Project
Lack of Skills and Resources	• Using outdated software and hardware • Lack of retention of the sources due to delay • There has to be good of IT skilled manpower to understood the technology	• Frequent training for upgrading skills is required • Exploitation by the company, project location is remote • Need certification in new technologies like cloud AI	• Encourage in house development of projects • Documentation of the processes • There is always a dearth of experienced manpower having good functional or domain skills
Resistance to Change	• Resistance to change • Legacy issues prevailing in the organization • Lack of clear communication and stakeholder engagement	• Technical adaptability • Lack of understanding regarding the benefits that may be harnessed • Insufficient training and support for end-users	• UI is not user friendly • Fear to change and fear to commit mistake • Fear of job security, role changes, or increased workload

These root causes have been grouped under five categories as follows:

People	Structure	Technical	Data	Process
• Lack of Domain, Technical, and Functional Expertise • Inadequate Stakeholder Engagement and Ownership • Poor Communication and Coordination • Shortage of Skilled and Trained Resources • Resistance to Change and Fear Factors • Resource Retention and Deployment Issues	• Weak or missing project governance (pre- and post-implementation • Lack of defined ownership • No consequence for project success or failure on stakeholders	• Use of outdated software or hardware • Non-user-friendly UI • Push for in-house development without readiness • Technical adaptability limitations	• Lack of proper input templates • Lack of outcome visibility • Poor documentation practices • Vendors not highlighting concerns during pre-bid • Unclear requirements/objectives	• Undefined or poorly defined scope of work • Absence of structured procedure to finalize FRS/SRS • Implementation delays due to SRS approval bottlenecks • Poor risk management • Poor planning and communication • Disjointed communication among team and integrator

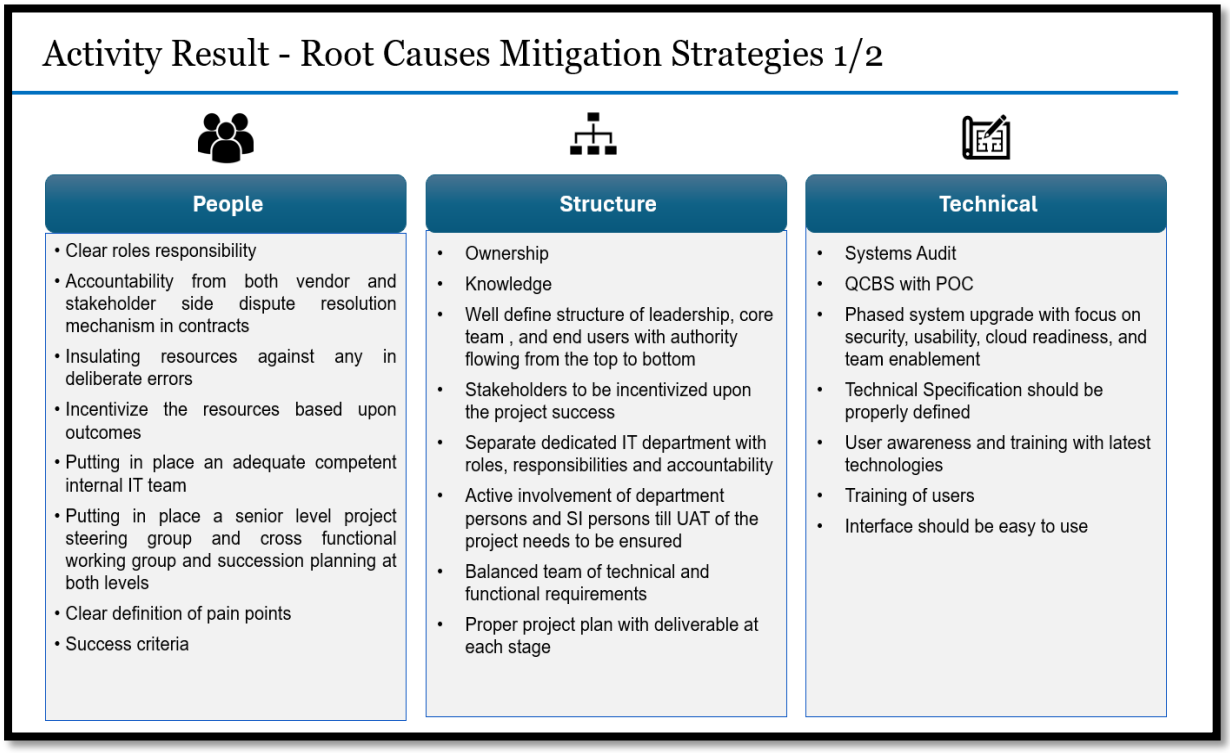
Session 3 *Strategies for Future Success: Brainstorm on actions that can make projects successful.*

The session outlined strategies for ensuring project success by transforming insights into actionable items. Key focuses of the session include identifying the top contributing factors to project failure, conducting root cause analysis (RCA) to discern underlying issues, and developing strategic actions by converting lessons learned into prioritized initiatives.

The session also highlighted root causes identified in Session 2, categorized into areas such as People, Structure, Technical, Data, and Process. Under 'People,' issues include lack of domain and technical expertise, inadequate stakeholder engagement, poor communication, resistance to change, and resource retention challenges. In the 'Structure' category, problems such as weak project governance, lack of ownership, and no accountability for project outcomes are noted. Technical challenges include outdated software use and non-user-friendly interfaces. Data issues involve unclear requirements and poor documentation, while process weaknesses cover undefined scope of work, delays due to approval processes, and poor risk management.

The mitigatingpointsprovided by the participants during the activity indicate a comprehensive approach to analyzing project failures and formulating corrective strategies.

The figures below provide the summary of the group activity:



Activity Result - Root Causes Mitigation Strategies 2/2

Data

- Lot of duplicate data is available which can be structured in useful manner
- Clearly defining requirements
- Defining process for data validation & management
- Proper documentation by maintaining versions control
- Data integrity
- The data should be in 3rd normal form
- Master data to be handled by IT team and the DBA should be permanent employee

Process

- Generate emotional attachment and ownership
- Generate mass awareness on the benefits and thereby instill confidence
- Tagging stakeholder and making part of their KRA
- Process Reengineering
- Change Management - Implement structured process to minimize disruption, ensure stakeholder buy-in and provide adequate training and support
- Standardization and Documentation - Ensure consistency, clarity, and ease of adoption, reducing errors and resistance.

Session 4 *Digital Centre of Excellence: Presentation on DCoE and how its services can be utilized.*

This session highlighted significant milestones in fostering collaboration between the Ministry and C-DAC. During the event, insights were shared on the importance of adhering to the terms of the Memorandum of Understanding (MoU) which outlines the entire understanding between the two entities. It was emphasized that the MoU sets forth provisions for force majeure events, dispute resolution through the Administrative Mechanism for Resolution of CPSEs Disputes, and miscellaneous financial aspects, which are essential for maintaining a harmonious partnership and ensuring successful project implementations.

Furthermore, the session underscored the critical role played by various councils and committees outlined in the MoU. The Executive Council's responsibility in reviewing and approving projects, as well as overseeing technical, financial, and administrative aspects, was highlighted. Discussions also revolved around the constitution and functions of the Project Review and Steering Group (PRSG), pertinent for project progress and resource allocation. The collaboration aims to prepare, submit, and execute projects while facilitating partnerships with academia, industry, and research institutions. This session has undoubtedly paved the way for future endeavors and a strengthened alliance between MoPSW and C-DAC.

Session 5 Live Demosntrations

(I) Demonstration on AI application by Industry Expert

(II) Demonstration video of next generation VTMS by NTCPWC, IIT Chennai

The MARINA Demo was a showcase of cutting-edge technology introduced by the National Technology Centre for Ports, Waterways, and Coasts (NTCPWC) at IIT Madras. MARINA is an AI-based digital 3D Vessel Traffic Services system designed to cover all operational aspects within a port's territory.

The session highlighted MARINA's role in creating sophisticated situational awareness through integration with various VTS sensors, IoT sensors, and monitoring devices. Attendees learned how MARINA provides real-time updates on weather conditions, traffic, under keel clearance, and environmental analytics, which are crucial for investigations and system efficiency.

MARINA was developed iteratively, combining multiple information layers to enhance geographical and functional situational understanding. The presentation showcased the

platform's capabilities in analyzing incidents, viewing historical data, and making near-future predictions, thereby enhancing operational awareness and decision-making.

The MARINA team is currently focused on integrating simulations and traffic forecasts into a comprehensive Digital Twin solution, aiming to provide an even more holistic overview of port operations. This strategic development further facilitates effective preparation for potential challenges, offering advanced insights and operational foresight to port authorities and stakeholders.

(III) Dashboard for Ports currently being implemented in PPA

During the comprehensive session, attendees were introduced to two applications Dashboard and AI application, each addressing unique challenges in the port and maritime industry and showcasing how cutting-edge technology can enhance decision-making and operations.

The session began with the demo of dashboard and AI application. In the presentationit washighlighted a strategic command center, far beyond just a dashboard. It provides leaders with instant, high-level metrics and empowers operations teams with deep exploration capabilities to uncover actionable intelligence and hidden trends. The consolidated scattered reports into a singular, intelligent platform, enabling consistent decision-making and transforming complex, raw data into structured, decision-ready intelligence. Attendees saw how dashboard and AI application offers automated multi-dimensional analysis, proactive decision-making support, and interactive, intuitive dashboards, turning fragmented data into a unified source of truth for port operations. The demo illustrated advantages, like easing cross-port comparisons and automatic trend analysis, making it invaluable for leadership and operational teams alike. Paradip port informed that the software has been developed after multiple deliberations and is in use in the port.

The session transitioned to showcase the solution, an intelligent data partner tailored for executive needs, particularly within the port and maritime domains. It addressed common inefficiencies, offering a metadata-driven approach for heightened data security and sensitivity. The Solution stood out with its ability to minimize human error, automate error-free data extraction, and generate concise insights with dashboard charts, significantly streamlining decision-making processes. This AI platform, optimized for executive workflows, provides domain-specific knowledge and seamless integration with tools like Excel. Attendees learned about the solution in distinct edge over general-purpose AI

solutions, focusing on executive-driven insights while ensuring data privacy and efficient cost management.

The complete solution demonstrated a path for the future, where actionable intelligence and secure, efficient AI tools drive smarter decisions and operational excellence, painting a compelling vision for the participants of potential enhancements in port and maritime management.

Session 6 Presentation on draft IT Procurement Guidelines for Stakeholders consultation

The session provided insights into the challenges and strategies related to IT project, software, and services procurement. One major focus is on identifying and documenting business needs and requirements. Common issues are undefined stakeholders, unclear benefits, and missing stakeholder consensus. Mitigation strategies include preparing a formal Business Requirements Document (BRD), involving stakeholders from both demand and supply sides, and prioritizing essential features. The session emphasized the importance of clear objectives, business process re-engineering, and traceability to ensure alignment and minimize scope creep.

Another significant aspect covered is contract execution and monitoring. The session outlined issues such as discrepancies in personnel expectations, vendor staff turnovers, and lack of effective monitoring. Strategies for overcoming these challenges include setting realistic personnel criteria, requiring on-site presence for critical functions, holding periodic meetings, and tracking all vendor communications. With a focus on strict change control and involving senior management regularly, these practices aim to ensure smooth execution and timely delivery of projects. Overall, the session served as a comprehensive guide to navigate key procurement challenges through strategic mitigation efforts.

Session 7 Open Discussion

An open discussion brought together views, questions, and recommendations from multiple participants. This was an open-for-all session wherein participants provided their feedback, shared their experiences and in general enriched the audience with their collective wisdom.

3. Session Closure

3.1 Closing remarks by Shri. T. K. Ramachandran, Secretary, MoPSW

3.2 Vote of Thanks by Deputy Director (I.T.)

4. Key Action Points

The key action point identified from the workshop included the following:

Sl. No.	Key Action Points
1	**Pilot and Implementation of Artificial Intelligence applications.** The pilot applications demonstrated during the workshop to be implemented by the organizations and piloted to review their suitability and wide scale roll out. This would have the potential to improve the effectiveness and efficiency of the ports and other organizations.
2	**Implementationof Dashboard in all Ports.** A dashboard was demonstrated at the Workshop. This dashboard has been successfully completed at Paradip Port. It was recommended that other ports review the system and implement the same at their ports. Services of NTCPWC may be considered in this regard.
3	**Development of Procurement Checklist for the Ministry and its subordinate organizations.** The draft contours of procurement checklist were demonstrated at the workshop. It was deliberated that a checklist may be prepared and released, that may be used by the Ministry and its subordinate organizations for IT projects' procurements.

5. List of Participants

5.1 Participants from Ministry

Sr. No.	Name	Designation
1.	Shri. T K Ramachandran	Secretary
2.	Shri. R. Lakshmanan	J.S. (I.T.)
3.	Shri. Mukesh Mangal	J.S. (Coord)
4.	Shri. Rituraj Misra	Director (I.T.)
5.	Dr. Tarun Budal	Dy. Director (I.T.)
6.	Shri. Vineep Singh	Marine Engineer
7.	Shri. Debojyoti Ray	Ast. Director
8.	Shri. Avtansh Ghai	Sr. Manager, Invest India
9.	Shri. Apporva Chitravanshi	Young Professional
10.	Shri. Puneet Kumar	Section Officer (I.T. /Ports)
11.	Shri. Abhishek Verma	Asstt. Section Officer
12.	Shri. Mayank Gautam	Asstt. Section Officer (I.T.)
13.	Ms. Payal Taneja	D.E.O. (I.T.)
14.	Ms. Anukriti Chauhan	Python Developer
15.	Shri. Deepak Bist	P.A. to Director (I.T.)
16.	Shri. Sunny Kumar	P.A. to DD(I.T. /Ports)
17.	Shri. Sundeep Rawat	Assistant
18.	Shri Pramod	D.E.O. (I.T.)
19.	Shri Jaspal	
20.	Shri Satish Kumar	
21.	Shri Devesh Kumar	Video Editor
22.	Shri Asit Kumar	O.A.
23.	Shri Bhupender Kumar	R.S. to J.S. (P.)

5.2 Participants from Ports and Other Organizations of the Ministry

Sr. No.	Name	Designation	Organization
1.	Shri. Ajay Nath	Senior Deputy Director (EDP)	ChPA
2.	Shri. G. Senthil Kumar	Assistant Director (EDP)	ChPA
3.	Shri. V. Kathiravan	Senior Store KeeperGr. II	ChPA
4.	Shri. Sreejith Gopal	Senior Manager (IT)	Cochin Shipyard Limited
5.	Shri. Bini Joseph	Senior Manager (IT)	Cochin Shipyard Limited
6.	Shri. Harikrishnan M K	Deputy General Manager (IT)	Cochin Shipyard Limited
7.	Shri. B.Kasiviswanathan	Chairperson	CoPA
8.	Shri Vipin R Menoth	Traffic Manager	CoPA
9.	Shri. C.Vinod	Sr.Dy.Director, EDP	CoPA
10.	Shri. D. Anil Kumar	Sr. Dy.Traffic Manager	CoPA
11.	Shri. Nambala Sai Kishore	Dy.Director, EDP	CoPA
12.	Shri Vinod Patil	AEE(E)	DGLL
13.	Shri Sudipta Benarjee	Sr. Dy. Traffic Manager	DPA
14.	Smt. Harshada Baswat	Dy. Manager (Admin and HR)	IGPL
15.	Ms. Shweta Walawalkar	Marketing Executive	IGPL
16.	Shri Harish Chandra Upadhyay	Deputy Registrar (Admin)	IMU
17.	Shri K. Kathirvel	Deputy Registrar (Academics) / CISO	IMU
18.	Shri M. Sakthirajan	IT Section Manager	IMU
19.	Shri Vikas Narwal	Managing Director	IPA
20.	Dr. Arvind Bhisikar	Executive Director (IT)	IPA
21.	Shri. A. Sivalingam	AD (IT)	IPA
22.	Shri. Shailesh Makhwana	Manager (O&S)	IPGL
23.	Shri Chandrakant Rathod	DGM	IPRCL
24.	Col. Harsh Vardhan	Secretary	IWAI
25.	Shri. Santosh Rai	PCSA	IWAI
26.	Shri. Hammad Aam	Sr. Consultant	IWAI

Sr. No.	Name	Designation	Organization
27.	Shri. NoharlalGhormare	Sr Manager	JNPA
28.	Shri. Prakash Ingle	Manager	JNPA
29.	Shri. K. Thirumurugan	General Manager (Operations)	KPL
30.	Shri. N. Hariharan	Senior Manager (IT)	KPL
31.	Dr. Sanjay K. Joglekar	Chief Technology Officer	MbPA
32.	Shri. Ramesh G. Potdar	Dy. Director	MbPA
33.	Shri. Pradip B. Meher	Asstt. Director	MbPA
34.	Ms. Navisha Miranda	Assistant Director	MPA
35.	Shri. Dr. Prathvi TN	Senior Deputy Director	New Mangalore Port Authority
36.	Shri Pravin Srivastava	Director	NIC
37.	Shri Sahil		NIC / IT MoPSW
38.	Shri Narasimha Indrakanti Moorthy	AVP	NISG
39.	Shri Ashish Kumar	Manager Consulting	NISG
40.	Ms. S. Shanti	Dy. Chairman	NMPA
41.	Shri. Ajith Selva. S	Senior Project Officer	NTCPWC
42.	Shri. Kumaran Raju	Principal Scientist	NTCPWC
43.	Shri. Pratiksha RS	Project Officer	NTCPWC
44.	Shri. Venkatesh A	Project Officer	NTCPWC
45.	Shri. K. Murali	Head - NTCPWC/Dean, IIT Madras	NTCPWC
46.	Ms. Manas Ranjan Mishra	Sr. Dy. Director(EDP)	PPA
47.	Shri P.L. Haranadh	Chairperson	PPA
48.	Shri. Murali Chelliah	DGM	Shipping Corporation of India
49.	Shri. Ashok Kumar	CM	Shipping Corporation of India
50.	Shri Sanjay Kumar Chakrabarti	Sr. Dy. Manager, Sh& CH	SMPK/HDC
51.	Shri. Sk. S. Ahmed	Sr. Dy. Manager, P & IR	SMPK/HDC
52.	Shri Debangshu Sarma Chaudhuri	Sr. Dy. Director (R)	SMPK/KDS
53.	Shri Jayanto Chaudhury	Sr. Dy. Director	SMPK/KDS
54.	Shri Tanay Kumar Pal	Sr. Asstt. Traffic Manager	SMPK/KDS

Sr. No.	Name	Designation	Organization
55.	Shri Randhir Kumar	Administrative Officer	TAMP, Mumbai
56.	Shri. Ashok Kumar Sahu	FA & CAO	VOC Port Authority
57.	Shri. R Sathish Kumar	SR.DD/EDP	VOC Port Authority
58.	Shri K. Rajendra Kumar	Joint Director	VPA
59.	Shri Ch. Ramprasad	Materials Manager	VPA
60.	Shri S. Siva Kumar	Sr. Dy. CAO	VPA

5.3 Participants from External Organizations

Sr. No.	**Name**	**Designation**	**Organization**
1.	Shri. Amarpartap Dhillon	Vice President	Accenture
2.	Shri. Sachin Prablakar	Managing Director	Accenture
3.	Shri. Sahil Saini	lead data scientist	AI Transmute
4.	Shri. Abhay Shukla	Project Manager	AI Transmute
5.	Shri. Shripad Kalambkar	Scientist E	C-DAC
6.	Ms. Veena Tyagi	Scientist G	C-DAC
7.	Shri. Vijay Kumar	Scientist E	C-DAC
8.	Shri. Rajat Sethi	Co-Founder	Counsello AI
9.	Shri. Mallikarjun Karra	Co-Founder	Counsello AI
10.	Shri. Santosh Pathak	Partner	Deloitte
11.	Shri. Mayank Mathur	Director	Deloitte
12.	Shri. Rama Raju	CEO	Envision Enterprise Solutions
13.	Shri. Vivek Ogra	Partner	EY
14.	Shri. Sudheer Gattu	Head – Digital Transformation Business Unit	Fluentgrid Limited
15.	Shri. Rajat Garg	Senior Manager	Fluentgrid Limited
16.	Shri. Shubham Kumar	Staff Software Engineer	IIT Kanpur
17.	Shri. Shivshankar Mishra	Deputy Manager	IIT Kanpur
18.	Shri. Rishi Raj	Manager Grade 1	IIT Kanpur
19.	Shri. Rohit Sharma	Project Manager	Navayuga Infotech Pvt. Ltd.
20.	Shri Rahul Mathur	APM	Navayuga Infotech Pvt. Ltd.
21.	Shri. Neeraj Aggarwala	CEO	Portall Infosystems Pvt. Ltd.
22.	Shri. Vikas Sharma	Manager-IT	Portall Infosystems Pvt. Ltd.
23.	Shri Lalit Kumar	ED (UI)	RITES
24.	Shri. Anjani Upadhyay	GM (IT)	RITES
25.	Shri. Amit Singhal	AGM (IT)	RITES
26.	Shri. Neelkant Gummalla	Strategy Head (Project Lead)	RITES
27.	Shri Shalabh Verma	Solution Head	TCS
28.	Shri. Arvind Chauhan	Delivery Manager	Tech Mahindra
29.	Shri Sumeet Sharma	Delivery Head	Tech Mahindra

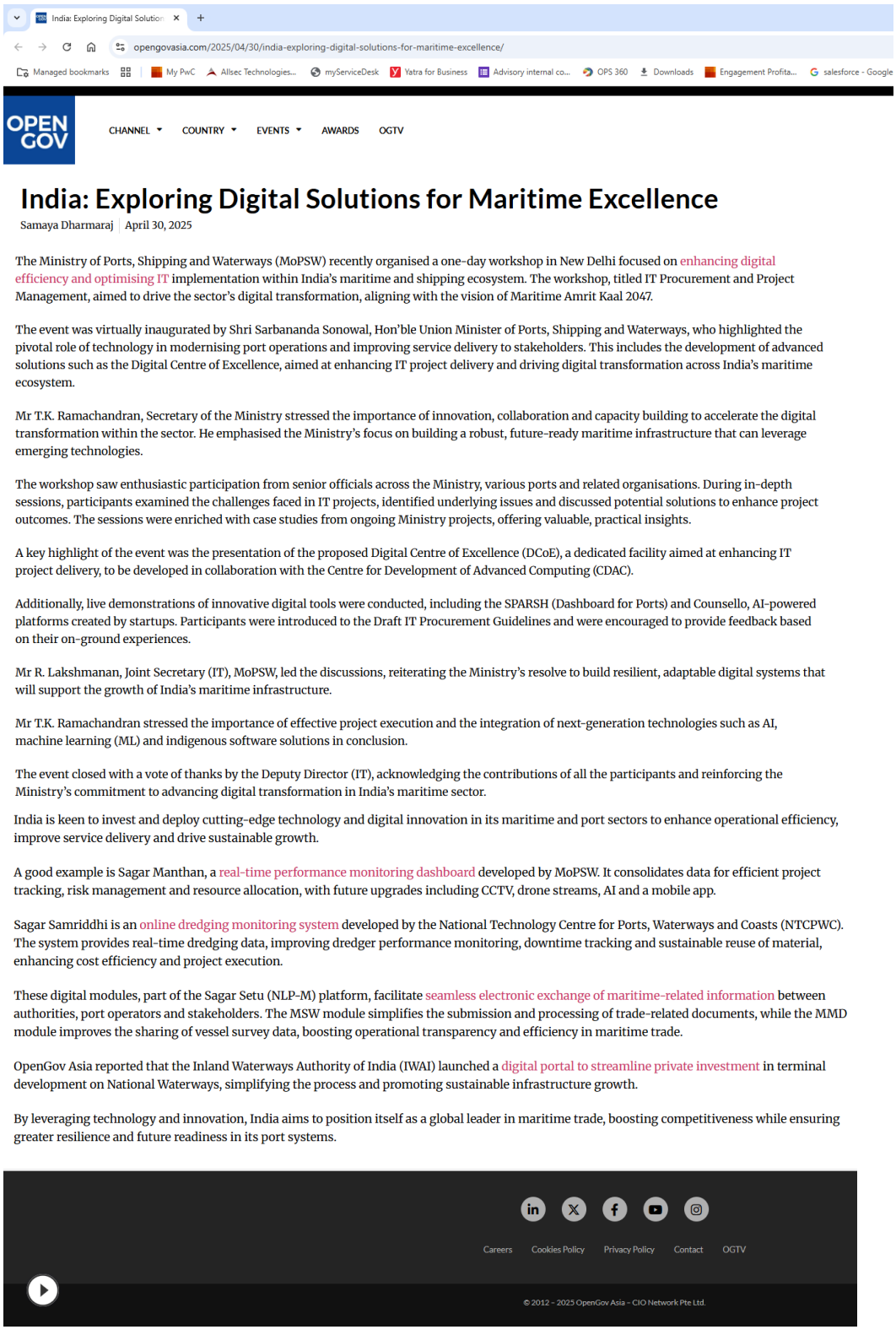
Sr. No.	**Name**	**Designation**	**Organization**
30.	Shir Gagandeep Singh	RBH	YASH

5.4 Participants from IT-PMU

Sr. No.	**Name**	**Designation**
1.	Shri. Shailendra Singh	MD
2.	Dr. Santosh Mishra	Partner
3.	Shri. Azizur Rahman	Partner
4.	Shri. Himanshu Wali	Director
5.	Shri. Sumit Patni	Director
6.	Shri. Vijyendra Niranjan	Digital Solutions Expert
7.	Shri. Sunny Monga	Team Lead
8.	Shri. Robin Dharmani	Sr. Consultant
9.	Shri. Amitabh Jha	Sr. Consultant
10.	Ms. Aastha Manchanda	Sr. Consultant
11.	Shri. Abhishek Verma	Consultant
12.	Shri. Akhsit Bamba	Senior Manager
13.	Shri. Neeraj Tiwari	Senior Consultant

6. *Media Publicity*

6.1 OpenGovAsia



India: Exploring Digital Solution

opengovasia.com/2025/04/30/india-exploring-digital-solutions-for-maritime-excellence/

Managed bookmarks | My PwC | Allsec Technologies... | myServiceDesk | Yatra for Business | Advisory internal co... | OPS 360 | Downloads | Engagement Profita... | salesforce - Google

OPEN GOV

CHANNEL | COUNTRY | EVENTS | AWARDS | OGTV

India: Exploring Digital Solutions for Maritime Excellence

Samaya Dharmaraj | April 30, 2025

The Ministry of Ports, Shipping and Waterways (MoPSW) recently organised a one-day workshop in New Delhi focused on enhancing digital efficiency and optimising IT implementation within India's maritime and shipping ecosystem. The workshop, titled IT Procurement and Project Management, aimed to drive the sector's digital transformation, aligning with the vision of Maritime Amrit Kaal 2047.

The event was virtually inaugurated by Shri Sarbananda Sonowal, Hon'ble Union Minister of Ports, Shipping and Waterways, who highlighted the pivotal role of technology in modernising port operations and improving service delivery to stakeholders. This includes the development of advanced solutions such as the Digital Centre of Excellence, aimed at enhancing IT project delivery and driving digital transformation across India's maritime ecosystem.

Mr T.K. Ramachandran, Secretary of the Ministry stressed the importance of innovation, collaboration and capacity building to accelerate the digital transformation within the sector. He emphasised the Ministry's focus on building a robust, future-ready maritime infrastructure that can leverage emerging technologies.

The workshop saw enthusiastic participation from senior officials across the Ministry, various ports and related organisations. During in-depth sessions, participants examined the challenges faced in IT projects, identified underlying issues and discussed potential solutions to enhance project outcomes. The sessions were enriched with case studies from ongoing Ministry projects, offering valuable, practical insights.

A key highlight of the event was the presentation of the proposed Digital Centre of Excellence (DCoE), a dedicated facility aimed at enhancing IT project delivery, to be developed in collaboration with the Centre for Development of Advanced Computing (CDAC).

Additionally, live demonstrations of innovative digital tools were conducted, including the SPARSH (Dashboard for Ports) and Counsello, AI-powered platforms created by startups. Participants were introduced to the Draft IT Procurement Guidelines and were encouraged to provide feedback based on their on-ground experiences.

Mr R. Lakshmanan, Joint Secretary (IT), MoPSW, led the discussions, reiterating the Ministry's resolve to build resilient, adaptable digital systems that will support the growth of India's maritime infrastructure.

Mr T.K. Ramachandran stressed the importance of effective project execution and the integration of next-generation technologies such as AI, machine learning (ML) and indigenous software solutions in conclusion.

The event closed with a vote of thanks by the Deputy Director (IT), acknowledging the contributions of all the participants and reinforcing the Ministry's commitment to advancing digital transformation in India's maritime sector.

India is keen to invest and deploy cutting-edge technology and digital innovation in its maritime and port sectors to enhance operational efficiency, improve service delivery and drive sustainable growth.

A good example is Sagar Manthan, a real-time performance monitoring dashboard developed by MoPSW. It consolidates data for efficient project tracking, risk management and resource allocation, with future upgrades including CCTV, drone streams, AI and a mobile app.

Sagar Samriddhi is an online dredging monitoring system developed by the National Technology Centre for Ports, Waterways and Coasts (NTCPWC). The system provides real-time dredging data, improving dredger performance monitoring, downtime tracking and sustainable reuse of material, enhancing cost efficiency and project execution.

These digital modules, part of the Sagar Setu (NLP-M) platform, facilitate seamless electronic exchange of maritime-related information between authorities, port operators and stakeholders. The MSW module simplifies the submission and processing of trade-related documents, while the MMD module improves the sharing of vessel survey data, boosting operational transparency and efficiency in maritime trade.

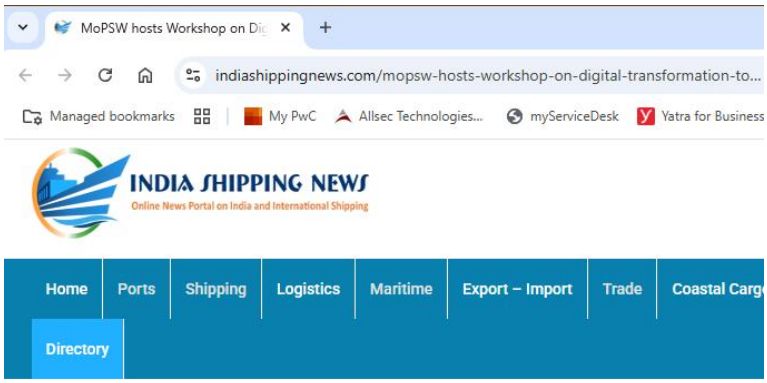
OpenGov Asia reported that the Inland Waterways Authority of India (IWAI) launched a digital portal to streamline private investment in terminal development on National Waterways, simplifying the process and promoting sustainable infrastructure growth.

By leveraging technology and innovation, India aims to position itself as a global leader in maritime trade, boosting competitiveness while ensuring greater resilience and future readiness in its port systems.

Careers | Cookies Policy | Privacy Policy | Contact | OGTV

© 2012 – 2025 OpenGov Asia – CIO Network Pte Ltd.

6.2 India Shipping News



MoPSW hosts Workshop on Digital Transformation to achieve Maritime Amrit Kaal Vision 2047

Apr 30, 2025 India Shipping News

MoPSW hosts Workshop on Digital Transformation to achieve Maritime Amrit Kaal Vision 2047

Apr 30, 2025 India Shipping News

Share This News Story:

NEW DELHI : **The Ministry of Ports, Shipping and Waterways (MoPSW)** organised one-day workshop on **IT Procurement and Project Management** in New Delhi, aiming to enhance digital efficiency and streamline IT implementation across India's maritime and shipping ecosystem.

The workshop was virtually inaugurated by **Hon'ble Union Minister of Ports, Shipping and Waterways, Shri Sarbananda Sonowal,** who emphasised the transformative role of technology in modernising port operations and enhancing service delivery for stakeholders.

Shri T.K. Ramachandran, Secretary, Ministry of Ports, Shipping and Waterways addressed the participants and underlined the importance of innovation, collaboration, and capacity building in accelerating the digital transformation within the maritime sector.

The event witnessed active participation from senior officials of the Ministry, various ports, and associated organisations. In-depth sessions during the workshop focused on challenges in IT projects, identifying root causes, and exploring actionable solutions to improve project outcomes. Case studies from ongoing projects of the Ministry were discussed to draw practical insights.
Key highlight of the event was a presentation on the proposed Digital Centre of Excellence (DCoE)—envisioned as a dedicated center for IT project delivery, to be developed with support from CDAC.

Live demonstrations were held to showcase innovative digital tools, including SPARSH (Dashboard for Ports) and Counsello, AI-powered platforms developed by startups. Draft IT Procurement Guidelines were also introduced during the session, with participants encouraged to share feedback based on their on-ground experience. The discussions were led by Shri R. Lakshmanan, Joint Secretary (IT), MoPSW, who reaffirmed the Ministry's commitment to building resilient and future-ready digital systems.

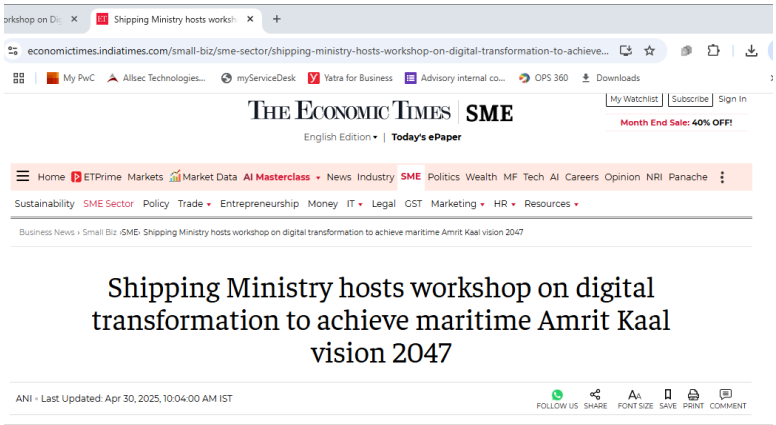
The workshop concluded with closing remarks by the Secretary, MoPSW, emphasising the need for effective project execution and integration of next-generation technologies such as AI, ML, and other indigenous software solutions.

A vote of thanks was delivered by the Deputy Director (IT), acknowledging the contributions of all participants.

Share This News Story:

Maritime, Digitalisation, Ports, Shipping, Trade, Trending News Maritime Amrit Kaal Vision 2047, MoPSW

6.3 Economic Times



Shipping Ministry hosts workshop on digital transformation to achieve maritime Amrit Kaal vision 2047

ANI • Last Updated: Apr 30, 2025, 10:04:00 AM IST

FOLLOW US SHARE FONT SIZE SAVE PRINT COMMENT

Synopsis

The Ministry of Ports, Shipping and Waterways (MoPSW) convened a workshop in New Delhi to boost digital efficiency in the maritime sector. Union Minister Sarbananda Sonowal highlighted technology's role in modernising port operations.

Shipping Ministry hosts workshop on digital transformation to achieve maritime Amrit Kaal vision 2047.

NEW DELHI: The Ministry of Ports, Shipping and Waterways (MoPSW) organised a one-day workshop on IT Procurement and Project Management in New Delhi, aiming to enhance digital efficiency and streamline IT implementation across India's maritime and shipping ecosystem.

The workshop was virtually inaugurated by the Union Minister of Ports, Shipping and Waterways, **Sarbananda Sonowal**, who emphasised the transformative role of technology in modernising port operations and enhancing service delivery for stakeholders.

TK Ramachandran, Secretary, Ministry of Ports, Shipping, and Waterways, addressed the participants and emphasised the importance of innovation, collaboration, and capacity building in accelerating digital transformation within the maritime sector.

The event witnessed active participation from senior officials of the Ministry, various ports, and associated organisations.

In-depth sessions during the workshop focused on challenges in IT projects, identifying root causes, and exploring actionable solutions to improve project outcomes. Case studies from ongoing Ministry projects were discussed to draw practical insights.

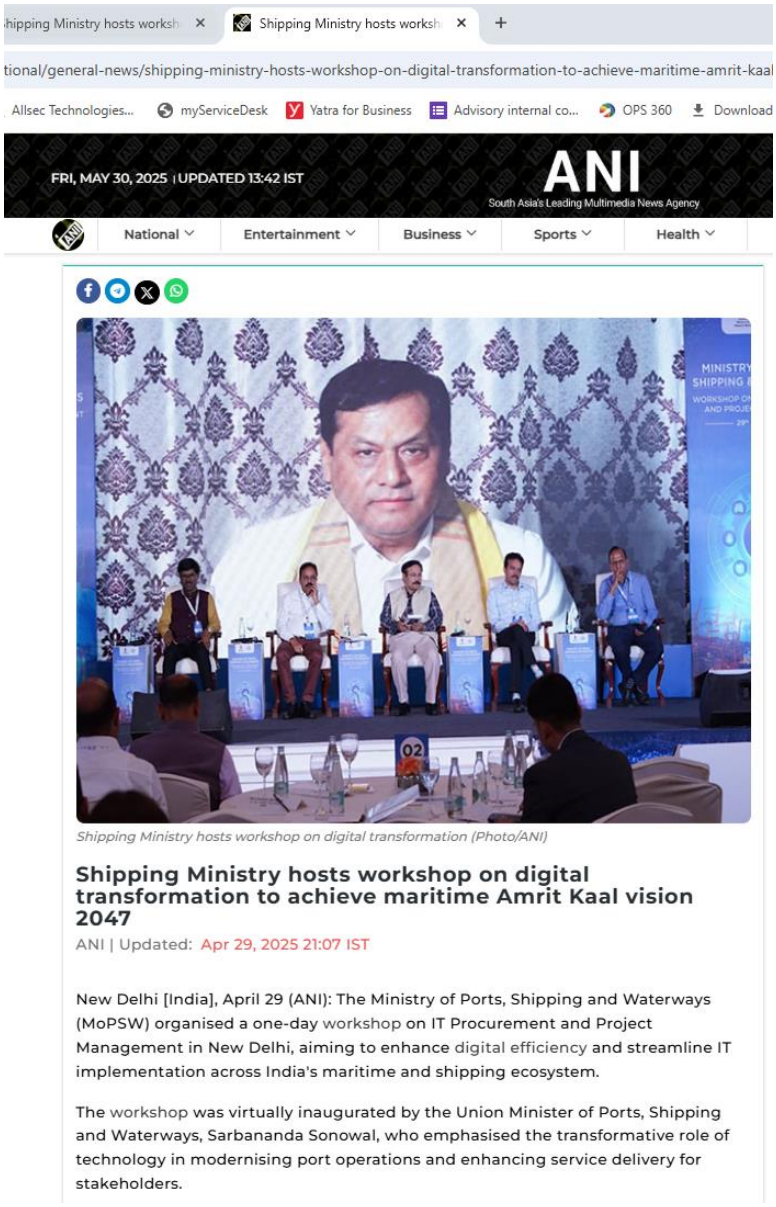
Key highlight of the event was a presentation on the proposed Digital Centre of Excellence (DCoE)--envisioned as a dedicated centre for IT project delivery, to be developed with support from CDAC.

Live demonstrations were held to showcase innovative digital tools, including SPARSH (Dashboard for Ports) and Counsello, AI-powered platforms developed by startups. Draft IT Procurement Guidelines were also introduced during the session, with participants encouraged to share feedback based on their on-ground experience.

The discussions were led by R Lakshmanan, Joint Secretary (IT), MoPSW, who reaffirmed the Ministry's commitment to building resilient and future-ready digital systems.

The workshop concluded with closing remarks by the Secretary of MoPSW, emphasising the need for effective project execution and the integration of next-generation technologies, such as AI, ML, and other indigenous software solutions.

6.4 ANI



hipping Ministry hosts worksh × Shipping Ministry hosts worksh × +

tional/general-news/shipping-ministry-hosts-workshop-on-digital-transformation-to-achieve-maritime-amrit-kaal

Allsec Technologies... myServiceDesk Yatra for Business Advisory internal co... OPS 360 Download

FRI, MAY 30, 2025 | UPDATED 13:42 IST

ANI

South Asia's Leading Multimedia News Agency

National Entertainment Business Sports Health

Shipping Ministry hosts workshop on digital transformation (Photo/ANI)

Shipping Ministry hosts workshop on digital transformation to achieve maritime Amrit Kaal vision 2047

ANI | Updated: Apr 29, 2025 21:07 IST

New Delhi [India], April 29 (ANI): The Ministry of Ports, Shipping and Waterways (MoPSW) organised a one-day workshop on IT Procurement and Project Management in New Delhi, aiming to enhance digital efficiency and streamline IT implementation across India's maritime and shipping ecosystem.

The workshop was virtually inaugurated by the Union Minister of Ports, Shipping and Waterways, Sarbananda Sonowal, who emphasised the transformative role of technology in modernising port operations and enhancing service delivery for stakeholders.

The workshop was virtually inaugurated by the Union Minister of Ports, Shipping and Waterways, Sarbananda Sonowal, who emphasised the transformative role of technology in modernising port operations and enhancing service delivery for stakeholders.

TK Ramachandran, Secretary, Ministry of Ports, Shipping, and Waterways, addressed the participants and emphasised the importance of innovation, collaboration, and capacity building in accelerating digital transformation within the maritime sector.

The event witnessed active participation from senior officials of the Ministry, various ports, and associated organisations.

In-depth sessions during the workshop focused on challenges in IT projects, identifying root causes, and exploring actionable solutions to improve project outcomes. Case studies from ongoing Ministry projects were discussed to draw practical insights.

Key highlight of the event was a presentation on the proposed Digital Centre of Excellence (DCoE)--envisioned as a dedicated centre for IT project delivery, to be developed with support from CDAC.

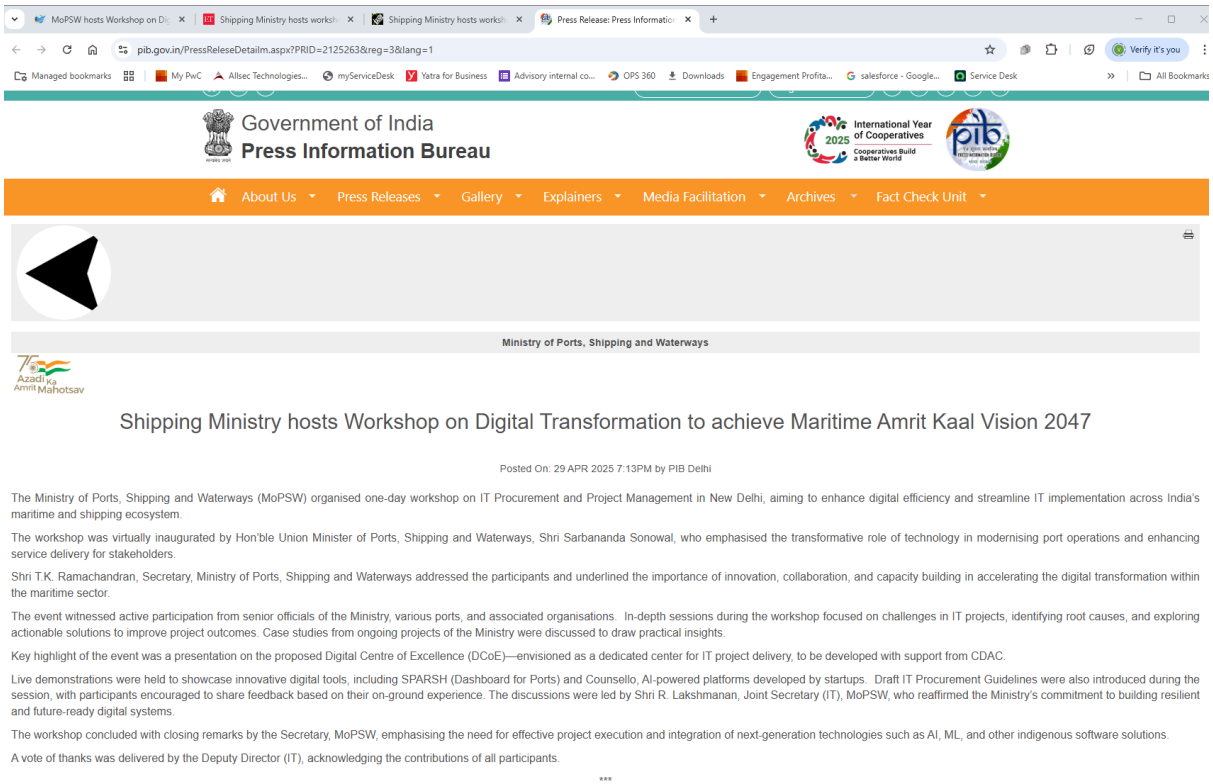
Live demonstrations were held to showcase innovative digital tools, including SPARSH (Dashboard for Ports) and Counsello, AI-powered platforms developed by startups. Draft IT Procurement Guidelines were also introduced during the session, with participants encouraged to share feedback based on their on-ground experience.

The discussions were led by R Lakshmanan, Joint Secretary (IT), MoPSW, who reaffirmed the Ministry's commitment to building resilient and future-ready digital systems.

The workshop concluded with closing remarks by the Secretary of MoPSW, emphasising the need for effective project execution and the integration of next-generation technologies, such as AI, ML, and other indigenous software solutions. (ANI)

TAGS ministry of ports shipping waterways | workshop | it procurement | project management | digital efficiency

6.5 Press Information Bureau



Government of India
Press Information Bureau

International Year of Cooperatives 2025 — Cooperatives Build a Better World

About Us | Press Releases | Gallery | Explainers | Media Facilitation | Archives | Fact Check Unit

Ministry of Ports, Shipping and Waterways

Azadi Ka Amrit Mahotsav

Shipping Ministry hosts Workshop on Digital Transformation to achieve Maritime Amrit Kaal Vision 2047

Posted On: 29 APR 2025 7:13PM by PIB Delhi

The Ministry of Ports, Shipping and Waterways (MoPSW) organised one-day workshop on IT Procurement and Project Management in New Delhi, aiming to enhance digital efficiency and streamline IT implementation across India's maritime and shipping ecosystem.

The workshop was virtually inaugurated by Hon'ble Union Minister of Ports, Shipping and Waterways, Shri Sarbananda Sonowal, who emphasised the transformative role of technology in modernising port operations and enhancing service delivery for stakeholders.

Shri T.K. Ramachandran, Secretary, Ministry of Ports, Shipping and Waterways addressed the participants and underlined the importance of innovation, collaboration, and capacity building in accelerating the digital transformation within the maritime sector.

The event witnessed active participation from senior officials of the Ministry, various ports, and associated organisations. In-depth sessions during the workshop focused on challenges in IT projects, identifying root causes, and exploring actionable solutions to improve project outcomes. Case studies from ongoing projects of the Ministry were discussed to draw practical insights.

Key highlight of the event was a presentation on the proposed Digital Centre of Excellence (DCoE)—envisioned as a dedicated center for IT project delivery, to be developed with support from CDAC.

Live demonstrations were held to showcase innovative digital tools, including SPARSH (Dashboard for Ports) and Counsello, AI-powered platforms developed by startups. Draft IT Procurement Guidelines were also introduced during the session, with participants encouraged to share feedback based on their on-ground experience. The discussions were led by Shri R. Lakshmanan, Joint Secretary (IT), MoPSW, who reaffirmed the Ministry's commitment to building resilient and future-ready digital systems.

The workshop concluded with closing remarks by the Secretary, MoPSW, emphasising the need for effective project execution and integration of next-generation technologies such as AI, ML, and other indigenous software solutions.

A vote of thanks was delivered by the Deputy Director (IT), acknowledging the contributions of all participants.

***