



Swa Raksha

Mahotsav : 2026

स्वरक्षा महोत्सव

Brave Bharat, Secure Bharat

Fostering Partnership for Security

**Global Summit, Exhibition & Awards on Aerospace & Defence, Geospatial, Space,
Marine Systems, Unmanned Technologies & Homeland Security**

Post Event Report



21 – 22 May 2026, Vigyan Bhawan, Science City, Ahmedabad, Gujarat

SwaRaksha Mahotsav 2026:- Overview

SwaRaksha Mahotsav 2026 was successfully organized as a premier national platform dedicated to strengthening India's self-reliance and technological advancement in the fields of defence, homeland security, disaster management, industrial safety, geospatial intelligence, space technologies, and emerging strategic domains. The Mahotsav served as a convergence point for government institutions, defence establishments, industry leaders, public sector undertakings, startups, academia, and research organizations to collaborate and showcase innovative solutions for national security and resilience.

The Mahotsav was hosted by the Department of Science & Technology, Government of Gujarat, Gujarat Council on Science and Technology, and Gujarat Science City.

The event was co-hosted by Survey of India under the Department of Science & Technology, Government of India, Physical Research Laboratory, Department of Space, Government of India and National Forensic Sciences University, Ministry of Home Affairs, Government of India

The Mahotsav received strong institutional and industry support from key strategic organizations. India Optel Limited, Government of India joined as the Government Partner, while Bharat Electronics Limited, Government of India participated as the PSU Partner. The event's Strategic Sponsor was BDSR Solutions LLP, with Satleo Labs Private Limited serving as the Associate Sponsor and Roter Group of Companies supporting the Mahotsav as the Badge Sponsor.

The Mahotsav witnessed active representation and participation from several prestigious defence, paramilitary, scientific, industrial, and financial institutions including the National Cadet Corps, Indian Coast Guard, College of Military Engineering, Sashastra Seema Bal, Indian Army, Indian Air Force, Indian Navy, Central Industrial Security Force, Oil India Limited, and Space Applications Centre.

The event was further strengthened through the support of its Strategic Banking Partners, Bank of India and HDFC Bank.

SwaRaksha Mahotsav 2026 was co-organized by the International Council for Industrial Safety, Security and Management, whose contribution played a vital role in facilitating industry participation, stakeholder engagement, and collaborative knowledge exchange across multiple sectors.

With participation from policymakers, scientists, defence personnel, industry experts, startups, academic institutions, innovators, and students, SwaRaksha Mahotsav 2026 successfully established itself as a dynamic national forum for fostering strategic collaboration, indigenous innovation, and technology-driven security solutions aligned with the vision of *Atmanirbhar Bharat*.



Highlights at a Glance

Particulars

Details

Event Duration

2 Days (21 – 22 May 2026)

Venue

Vigyan Bhawan, Science City, Ahmedabad, Gujarat

Participants

700+ Delegates, 30+ Speakers, 40+ Exhibitors

Sessions

12 Plenaries & 4 Fireside Chats

Themes

Fostering Partnership for Security

Awards

10 Distinguished Awards Recognizing Innovation & Excellence

Concurrent Exhibition

Showcased Indigenous Technologies & Startups

Day 1:

Inaugural Session:



Welcome Address

The Welcome Address at **SwaRaksha Mahotsav 2026** was delivered by Dr. Swarna Subba Rao, Chairman of the Trade Promotion Council for Geospatial and Space Industry and Former Surveyor General of India.

Dr. Rao welcomed the distinguished dignitaries, defence personnel, scientists, industry leaders, academicians, innovators, and delegates participating in the Mahotsav. In his address, he emphasized the growing importance of Geospatial Information Systems (GIS), remote sensing, and space technologies in strengthening national security, disaster management, infrastructure planning, border monitoring, and strategic decision-making.

He highlighted how geospatial technologies are becoming critical tools for governance, surveillance, emergency response, and sustainable development, while also playing a vital role in India's journey towards technological self-reliance and *Atmanirbhar Bharat*. Dr. Rao further stated that SwaRaksha Mahotsav provides an important platform for collaboration between government, industry, academia, and strategic agencies to drive innovation and build future-ready security solutions for the nation.



Special Address by Dr. Raghava Kothapalli, Chairman, Global Skilling Council, TPCGSI

The Special Address was delivered by Dr. Raghava Kothapalli, Chairman of the Global Skilling Council, Trade Promotion Council for Geospatial and Space Industry.

In his address, Dr. Kothapalli emphasized the importance of skill development, industry-oriented training, and capacity building in emerging sectors such as defence, geospatial technologies, cybersecurity, and unmanned systems. He highlighted the need to empower youth with future-ready skills to support India's growing strategic and technological ecosystem.



Guest of Honour Address: Maj Gen Bimal Monga, Additional Director General, NCC Directorate, Gujarat, Dadra and Nagar Haveli and Daman & Diu

The Guest of Honour Address was delivered by Maj Gen Bimal Monga, Additional Director General of the National Cadet Corps Directorate Gujarat, Dadra & Nagar Haveli and Daman & Diu.

In his address, Maj Gen Bimal Monga highlighted the vital role of youth in nation-building and strengthening India's security ecosystem. He emphasized that discipline, leadership, patriotism, and character development are essential qualities for creating responsible citizens and future leaders. He appreciated the efforts of SwaRaksha Mahotsav 2026 in providing a platform that connects youth, defence organizations, industry, and academia under one roof.

He also spoke about the contribution of NCC cadets in disaster management, community service, environmental awareness, and national integration activities across the country. Encouraging young participants and students, he urged them to actively explore opportunities in defence, technology,

innovation, and public service. He further stated that events like SwaRaksha Mahotsav inspire the younger generation to contribute towards the vision of a secure, self-reliant, and technologically empowered India.



Special Address by: Commander Prasad YVV, IN-Sr. Veteran, Chairman – Global Aerospace & Defence Council, TPCGSI

In his address, Commander Prasad YVV emphasized the growing importance of indigenous defence technologies and strategic preparedness in strengthening India's national security ecosystem. He highlighted the need for stronger collaboration between government, industry, startups, academia, and defence establishments to accelerate innovation and technological advancement. He spoke about the rapid evolution of aerospace, defence manufacturing, unmanned systems, AI-enabled surveillance, and next-generation security technologies in the modern warfare landscape.

He further underlined the significance of self-reliance in critical defence technologies under the vision of *Atmanirbhar Bharat*. Stressing the importance of innovation-driven growth, he encouraged startups and young entrepreneurs to actively participate in the defence and aerospace sectors. He also appreciated SwaRaksha Mahotsav 2026 for creating a valuable platform that connects strategic stakeholders, promotes knowledge exchange, and encourages indigenous capability development for a secure and technologically empowered India.



Guest of Honour Address: Dr. P. Manjusree, Sci/Engr-G & Group Head, AA & CIG, RSAA, National Remote Sensing Centre, ISRO

The Guest of Honour Address was delivered by Dr. P. Manjusree, Scientist/Engineer-G & Group Head, AA & CIG, RSAA at the National Remote Sensing Centre.

In her address, Dr. Manjusree highlighted the transformative role of remote sensing, satellite imaging, and geospatial technologies in national development, disaster management, environmental monitoring, agriculture, urban planning, and strategic security applications. She emphasized how advancements in Earth observation systems and data analytics are enabling faster and more accurate decision-making across multiple sectors.

She also spoke about the contribution of ISRO and NRSC in strengthening India's geospatial capabilities and supporting governance through innovative space-based solutions. Encouraging collaboration between research institutions, industry, startups, and academia, she noted that platforms like SwaRaksha Mahotsav 2026 are essential for promoting innovation, awareness, and technology adoption among the next generation of scientists and professionals.



Guest of Honour Address by: Dr. Narottam Sahoo, Advisor & Member Secretary, Gujarat Council on Science & Technology, Department of Science & Technology, Govt. of Gujarat

The Guest of Honour Address was delivered by Dr. Narottam Sahoo, Advisor & Member Secretary of the Gujarat Council on Science and Technology under the Department of Science & Technology, Government of Gujarat.

In his address, Dr. Sahoo emphasized the importance of science, technology, and innovation in addressing emerging national challenges related to security, disaster management, sustainability, and industrial development. He highlighted Gujarat's growing role as a hub for technological innovation, research, and startup-driven growth across strategic sectors.

He also underlined the need for stronger collaboration between government bodies, research institutions, industry, academia, and innovators to create impactful and scalable solutions for the nation. Appreciating the vision of SwaRaksha Mahotsav 2026, he stated that such platforms play a significant role in promoting knowledge exchange, fostering innovation ecosystems, and encouraging youth participation in science and technology-driven initiatives aligned with the vision of *Atmanirbhar Bharat*.



Co-Host Address: Prof. Anil Bhardwaj, Director Physical Research Laboratory, Department of Space, Government of India

The Co-Host Address was delivered by Prof. Anil Bhardwaj, Director of the Physical Research Laboratory.

In his address, Prof. Bhardwaj highlighted the growing importance of space science, advanced research, and emerging technologies in strengthening national development and strategic capabilities. He emphasized the role of scientific innovation, interdisciplinary research, and space-based applications in areas such as communication, climate monitoring, disaster management, security, and sustainable development.

He further stressed the need to nurture scientific temperament and encourage collaboration between research institutions, academia, industry, and government agencies to build a strong innovation ecosystem for the nation. Appreciating the vision of SwaRaksha Mahotsav 2026, he stated that such platforms help bridge science, technology, and strategic applications while inspiring young researchers and innovators to contribute towards India's technological advancement and self-reliance.



Guest of Honour Address: Sh. T. Haokip, Commandant, CISF Unit, Ahmedabad

The Guest of Honour Address was delivered by Sh. T. Haokip, Commandant of the Central Industrial Security Force Unit, Ahmedabad.

In his address, Sh. T. Haokip highlighted the growing importance of industrial security and protection of critical infrastructure in today's rapidly evolving security environment. He emphasized that modern security challenges require a combination of advanced technology, skilled personnel, vigilance, and strong coordination among security agencies and industries.

He spoke about the significant role played by CISF in securing airports, public sector undertakings, industrial facilities, and strategic establishments across the country. He also stressed the importance of preparedness, emergency response systems, and cybersecurity measures in safeguarding national assets. Appreciating the initiative of SwaRaksha Mahotsav 2026, he stated that such platforms help promote awareness, collaboration, and knowledge exchange among government agencies, industry leaders, academia, and security professionals. He encouraged young participants and industry stakeholders to actively contribute towards building a safer, secure, and technologically empowered India.



Guest of Honour Address: Shri. Vivek Bheda, Superintendent of Police, Cyber Centre of Excellence, Gujarat State

The Guest of Honour Address was delivered by Shri Vivek Bheda, Superintendent of Police, Cyber Centre of Excellence, Gujarat State.

In his address, Shri Vivek Bheda highlighted the rapidly evolving landscape of cyber threats and the growing importance of cybersecurity in protecting citizens, organizations, and national infrastructure. He emphasized that cyber awareness, digital vigilance, and technological preparedness are essential in today's interconnected world.

He spoke about the increasing challenges related to cybercrime, online frauds, data breaches, and digital security, stressing the need for stronger collaboration between law enforcement agencies, industry, academia, and technology experts. He also underlined the importance of capacity building, cyber education, and skill development among youth and professionals to strengthen India's cyber resilience.

Appreciating the efforts of SwaRaksha Mahotsav 2026, he stated that such platforms play an important role in promoting innovation, awareness, and dialogue on emerging security challenges while encouraging collective action towards building a secure digital ecosystem for the nation.



SwaRaksha Awards Distribution:

The **SwaRaksha Awards Distribution Ceremony** was one of the key highlights of SwaRaksha Mahotsav 2026, recognizing and honouring outstanding contributions, innovations, and achievements in the fields of defence, homeland security, disaster management, industrial safety, cybersecurity, geospatial technologies, space applications, and emerging strategic sectors.

The awards were presented to distinguished organizations, industry leaders, scientists, innovators, startups, researchers, institutions, and professionals who have demonstrated excellence, innovation, leadership, and commitment towards strengthening India's security and technological ecosystem.

The ceremony celebrated achievements in indigenous technology development, research and innovation, strategic manufacturing, skill development, public safety initiatives, and collaborative efforts supporting the vision of *Atmanirbhar Bharat*. The awardees were appreciated for their significant contributions towards advancing national capability, resilience, and technological self-reliance.

The awards ceremony served as an inspiration for young innovators, startups, and professionals, encouraging continued excellence and innovation in strategic and emerging sectors critical to the nation's future.

The ceremony was graced by several distinguished dignitaries on the dais, including:

- Dr. Swarna Subba Rao, Former Surveyor General of India & Chairman, TPCGSI
- Dr. Raghava Kothapalli, Chairman, Global Skilling Council, TPCGSI
- Commander Prasad YVV, IN-Sr. Veteran, Chairman – Global Aerospace & Defence Council, TPCGSI, & Principal Strategic Defence Adviser Expert Strategic Professional Consultant, Founder & MD - Prasad Consulting Hyd (India) Pvt Ltd
- Dr. P. Manjusree, Sci/Engr-G & Group Head, AA & CIG, RSAA, National Remote Sensing Centre, ISRO
- Dr. Narottam Sahoo, Advisor & Member Secretary, Gujarat Council on Science & Technology, Department of Science & Technology, Govt. of Gujarat
- Prof. Anil Bhardwaj, Director Physical Research Laboratory, Department of Space, Government of India
- Maj Gen Bimal Monga, Additional Director General, NCC Directorate, Gujarat, Dadra and Nagar Haveli and Daman & Diu
- Sh. T. Haokip, Commandant, CISF Unit, Ahmedabad
- Shri. Vivek Bheda, Superintendent of Police, Cyber Centre of Excellence, Gujarat

Each of the dignitaries jointly presented awards to leading innovators and industry pioneers across diverse categories. The following recognitions were conferred during the ceremony:

1. Future Homeland Security Technologies Award – Datta Infotech Consultants
2. Unmanned & Autonomous Systems Award – Roter Unmanned Systems Private Limited
3. Future Technologies in Aerospace & Defence – HKH Technologies Private Limited
4. Unmanned Technologies Startup of the Year – Dr. MGR ARI Naval and Aerospace Innovations LLP
5. Future Space Technologies & Exploration Award – Satleo Labs Private Limited
6. Best Global Geospatial Incubator Awards – GISC Department, Dubai Municipality, UAE
7. Distinguished leadership Award in Space Science & Strategic Research – Prof. Anil Bhardwaj, Director Physical Research laboratory, Department of Space, Govt. of India
8. Lifetime Achievement Award in Forensic Science & Internal Security – Dr. J.M. Vyas, Founding Vice Chancellor, National Forensic Sciences University, Minister of Home Affairs, Government of India
9. Unmanned Aerial Technologies Excellence Award – Jalkruti Water Solutions Private Limited
10. Ports, Harbour & Coastal Infrastructure Award – Swaminarayan University, Ahmedabad, Gujarat
11. Women Leadership in Aerospace & Defence Award – Raspian Enterprises Pvt. Limited











Vote of Thanks by Sanjay Singh (Adv.), Founder & Director General, Trade Promotion Council for Geospatial and Space Industry

The Vote of Thanks was delivered by Sanjay Singh, Founder and Director General of the Trade Promotion Council for Geospatial and Space Industry.

In his address, Shri Sanjay Singh expressed sincere gratitude to all dignitaries, chief guests, speakers, defence representatives, government officials, industry leaders, scientists, academicians, exhibitors, sponsors, partners, media representatives, and delegates for their valuable presence and support towards the success of SwaRaksha Mahotsav 2026.

He thanked the hosting organizations, co-hosts, strategic partners, supporting agencies, and organizing teams for their continuous cooperation and contribution in making the Mahotsav a successful national platform. He also appreciated the active participation of startups, innovators, students, NCC cadets, and young professionals who added energy and enthusiasm to the event.

Highlighting the importance of collaboration and innovation, he stated that SwaRaksha Mahotsav 2026 successfully created meaningful dialogue and partnerships across defence, security, geospatial, space, and emerging technology sectors. He concluded by reaffirming the commitment of the Trade Promotion Council for Geospatial and Space Industry towards promoting indigenous innovation, strategic collaboration, and technology-driven national development in line with the vision of *Atmanirbhar Bharat*.



Exhibition Walk-through

The **Exhibition at SwaRaksha Mahotsav 2026** was inaugurated with great enthusiasm and collective spirit by all esteemed dignitaries present at the event. The ceremony symbolized the convergence of India's innovation, industry, and institutional excellence across Aerospace, Defence, Space, Geospatial, Unmanned System and Security domains.

Following the formal inauguration, the dignitaries undertook a walkthrough of the exhibition area, engaging with participating exhibitors, startups, and innovators who showcased cutting-edge technologies and indigenous solutions in the fields of Aerospace, Defence, Drones, Cybersecurity, and Geospatial Intelligence.

During the interaction, dignitaries appreciated the depth of innovation and R&D strength displayed by Indian enterprises and institutions. The exhibition served as a vibrant platform for knowledge exchange, networking, and partnership-building, furthering the mission of Atmanirbhar Bharat in strategic technology sectors.























Opening Plenary:- Aerospace & Defence: Building Next-Gen Combat Capabilities.

Topic 1: Future Air Dominance & Integrated Defence Systems

The session on "Future Air Dominance & Integrated Defence Systems" was delivered by Wg Cdr Akanksha Pandey, Fighter Controller, Strategic Aviation Leader, and COO of Voran Pvt Ltd.

In her presentation, Wg Cdr Akanksha Pandey discussed the evolving nature of modern aerial warfare and the growing importance of integrated defence systems in achieving air superiority. She highlighted the role of advanced technologies such as artificial intelligence, network-centric warfare, autonomous systems, drones, surveillance platforms, and real-time data integration in shaping future combat environments.

She also emphasized the need for seamless coordination between air, land, naval, cyber, and space-based assets to build resilient and technology-driven defence ecosystems. The session provided valuable insights into India's future preparedness, indigenous capability development, and the importance of innovation in strengthening next-generation combat and aerospace capabilities.



Topic 2: Indigenous Manufacturing & Strategic Platforms

The session on "Indigenous Manufacturing & Strategic Platforms" was delivered by Commander Prasad YVV, Senior Veteran of the Indian Navy, Chairman – Global Aerospace & Defence Council, Trade Promotion Council for Geospatial and Space Industry, Principal Strategic Defence Adviser, and Founder & Managing Director of Prasad Consulting Hyd (India) Pvt Ltd.

In his session, Commander Prasad YVV emphasized the importance of indigenous manufacturing and self-reliance in strengthening India's defence and aerospace capabilities. He discussed the growing need for strategic platforms developed through domestic innovation, advanced engineering, and public-private collaboration to reduce dependence on foreign technologies.

He highlighted the role of startups, MSMEs, defence industries, and research institutions in accelerating the development of indigenous defence systems, aerospace platforms, unmanned technologies, and next-generation combat solutions. Stressing the vision of *Atmanirbhar Bharat*, he encouraged greater industry participation, technology transfer, and innovation-driven manufacturing to build a resilient and globally competitive defence ecosystem for India.



Topic 3: AI in Warfare & Decision Support Systems

The session on "AI in Warfare & Decision Support Systems" was delivered by Dr. Raghava Kothapalli, Chairman of the Global Skilling Council, Trade Promotion Council for Geospatial and Space Industry, and CEO of BDSR Solutions LLP.

In his presentation, Dr. Kothapalli highlighted the transformative role of Artificial Intelligence in modern warfare, defence operations, and strategic decision-making. He discussed how AI-driven systems are enhancing surveillance, threat detection, predictive analysis, autonomous operations, and battlefield intelligence across defence sectors.

He also emphasized the growing importance of data-driven decision support systems in enabling faster, accurate, and real-time operational responses. Stressing the need for skill development and innovation, he encouraged industry, academia, and defence stakeholders to collaborate in developing indigenous AI-enabled solutions that can strengthen India's future combat readiness and technological self-reliance under the vision of *Atmanirbhar Bharat*.



Plenary – 2:- Geospatial & Space: Powering Strategic Intelligence

Topic 1: Space-Based ISR & Surveillance Capabilities

The session on “Space-Based ISR & Surveillance Capabilities” was delivered by Col Harinderjit Singh, Director – Geospatial Intelligence & Imagery Analysis (DIPAC), Ministry of Defence, Government of India.

In his presentation, Col Harinderjit Singh highlighted the growing significance of space-based Intelligence, Surveillance, and Reconnaissance (ISR) systems in strengthening national security and strategic preparedness. He discussed the role of satellite imagery, geospatial intelligence, remote sensing, and real-time data analysis in border monitoring, mission planning, disaster response, and defence operations.

He further emphasized the importance of advanced surveillance technologies and integrated geospatial capabilities in enabling accurate decision-making and situational awareness for modern security operations. The session provided valuable insights into how space technologies are transforming strategic intelligence and supporting India’s evolving defence and security ecosystem.



Topic 2: Earth Observation Satellites for Strategic and Security Applications

The session on **"Earth Observation Satellites for Strategic and Security Applications"** was delivered by Dr. Shweta Sharma, Scientist/Engineer-SG, Department of Space, Government of India.

In her presentation, Dr. Shweta Sharma highlighted the critical role of Earth Observation satellites in supporting strategic planning, national security, environmental monitoring, disaster management, infrastructure development, and resource management. She explained how satellite-based imaging and remote sensing technologies provide accurate, real-time geospatial information essential for surveillance, mapping, border management, and emergency response operations.

She also emphasized the contribution of India's space programme in developing advanced satellite capabilities that support governance, scientific research, and strategic intelligence. The session showcased the growing importance of space-based technologies in strengthening India's security and decision-making ecosystem through reliable and data-driven insights.



Topic 3: Geospatial & Space: Powering Strategic Intelligence

The session on "Geospatial & Space: Powering Strategic Intelligence" was delivered by Urmil Bakhai, Co-founder of Satleo Labs Private Limited.

In the session, Urmil Bakhai highlighted the increasing role of geospatial intelligence, satellite technologies, and space-based analytics in strengthening strategic planning, national security, and decision-making processes. He discussed how advanced geospatial solutions, Earth observation data, and AI-driven analytics are transforming surveillance, resource management, infrastructure monitoring, and disaster response capabilities.

He further emphasized the importance of innovation and private sector participation in accelerating India's space and geospatial ecosystem. The session showcased how emerging space technologies and geospatial platforms are contributing towards building a secure, data-driven, and technologically empowered nation.



Topic 4: Alerts on Space Weather Activity: Plan and Importance

The session on "Alerts on Space Weather Activity: Plan and Importance" was delivered by Prof. D. Pallam Raju from the Physical Research Laboratory, Department of Space, Govt. of India

In his presentation, Prof. D. Pallam Raju highlighted the significance of monitoring space weather activities and their impact on communication systems, satellite operations, navigation systems, aviation, power grids, and national security infrastructure. He explained how solar storms, geomagnetic disturbances, and space radiation can affect critical technological systems and strategic operations.

He also discussed the importance of timely alerts, preparedness mechanisms, and scientific monitoring systems to minimize the risks associated with space weather events. The session emphasized the growing need for advanced research, real-time observation, and coordinated response strategies to strengthen India's resilience against space weather-related challenges.



Topic 5: Space Weather and its Consequence for Space Assets

The session on **"Space Weather and its Consequence for Space Assets"** was delivered by Shri Dibyendu Chakrabarty from the Physical Research Laboratory, Department of Space, Govt. of India

In his presentation, Shri Dibyendu Chakrabarty discussed the impact of space weather phenomena on satellites, communication systems, navigation networks, and other critical space assets. He explained how solar flares, geomagnetic storms, and radiation events can disrupt satellite operations, affect signal accuracy, and reduce the operational lifespan of space systems.

He also highlighted the importance of continuous monitoring, predictive analysis, and protective measures to safeguard critical space infrastructure from adverse space weather conditions. The session provided valuable insights into the need for preparedness and resilient space technologies to support India's growing dependence on space-based services and strategic systems.



Topic 6: Space, Geospatial and Defence Policy Framework in India

The session on "Space, Geospatial and Defence Policy Framework in India" was delivered by Shri Nitin Mishra, Scientist/Engineer-SF at the Space Applications Centre under the Department of Space, Government of India.

In his presentation, Shri Nitin Mishra discussed the evolving policy landscape governing India's space, geospatial, and defence sectors. He highlighted the importance of progressive policy reforms, data accessibility, indigenous innovation, and public-private collaboration in strengthening India's strategic and technological capabilities.

He also explained how emerging geospatial and space policies are enabling startups, industries, academia, and research organizations to actively participate in national development and strategic applications. The session provided valuable insights into India's efforts towards building a robust, secure, and innovation-driven ecosystem aligned with the vision of *Atmanirbhar Bharat*.



End of day 1

Day 2

Opening Plenary: Aerospace & Defence: Operational Readiness & Force Projection

Topic: Artificial Intelligence in Modern Warfare

The session on "Artificial Intelligence in Modern Warfare" was delivered by Shri Nikhil Saini, Founder and CEO of Iris Aerial Innovations Pvt Ltd.

In his presentation, Shri Nikhil Saini highlighted the transformative impact of Artificial Intelligence on modern defence operations and warfare strategies. He discussed how AI-powered technologies are enhancing surveillance, autonomous systems, threat detection, battlefield intelligence, mission planning, and decision-making processes across defence sectors.

He also emphasized the growing importance of drone technologies, data analytics, machine learning, and intelligent monitoring systems in improving operational readiness and force projection capabilities. The session provided valuable insights into the future of AI-driven defence ecosystems and the role of indigenous innovation in strengthening India's strategic and technological preparedness.



Plenary – 2

Geospatial & Space: Real-Time Intelligence & Decision Making

Topic 1: Space-Based Monitoring for Maritime, Environment and Disaster Management

The session on “Space-Based Monitoring for Maritime, Environment and Disaster Management” was delivered by Dr. Abhisek Chakraborty, Scientist/Engineer-SF at the Space Applications Centre under the Department of Space, Government of India.

In his presentation, Dr. Abhisek Chakraborty highlighted the critical role of space-based technologies and satellite monitoring systems in maritime surveillance, environmental assessment, and disaster management operations. He explained how remote sensing, Earth observation satellites, and geospatial analytics are supporting coastal monitoring, weather forecasting, flood assessment, environmental protection, and emergency response planning.

He also emphasized the importance of real-time satellite data and integrated geospatial systems in improving situational awareness, resource management, and rapid decision-making during natural disasters and strategic operations. The session showcased India’s growing capabilities in utilizing space technologies for national resilience, environmental sustainability, and maritime security.



Topic 2: Marine Systems: Expanding Maritime Influence

The session on "Marine Systems: Expanding Maritime Influence" was delivered by Ashish Kumar Pant, Deputy Commandant of the Indian Coast Guard.

In his presentation, Ashish Kumar Pant highlighted the strategic importance of maritime security and the growing role of advanced marine systems in safeguarding India's coastal and maritime interests. He discussed the significance of surveillance systems, coastal monitoring technologies, unmanned platforms, and integrated maritime operations in strengthening national security and ensuring safe maritime operations.

He also emphasized the role of the Indian Coast Guard in coastal protection, search and rescue operations, disaster response, anti-smuggling activities, and maritime law enforcement. The session provided valuable insights into India's efforts towards enhancing maritime domain awareness and expanding its maritime influence through technology-driven and coordinated marine security systems.



Topic 3: Advanced Combat Systems Deployment

The session on **"Advanced Combat Systems Deployment"** was delivered by Commander Prasad YVV, Senior Veteran of the Indian Navy, Chairman – Global Aerospace & Defence Council, Trade Promotion Council for Geospatial and Space Industry, Principal Strategic Defence Adviser, and Founder & Managing Director of Prasad Consulting Hyd (India) Pvt Ltd.

In his presentation, Commander Prasad YVV discussed the growing importance of advanced combat systems and next-generation defence technologies in enhancing operational readiness and force projection capabilities. He highlighted the role of integrated warfare systems, autonomous platforms, AI-enabled defence solutions, smart surveillance, and network-centric operations in modern military environments.

He also emphasized the need for indigenous innovation, strategic manufacturing, and stronger collaboration between defence forces, industry, startups, and research institutions to accelerate the deployment of advanced combat technologies. The session provided valuable insights into India's efforts towards building a technologically advanced and self-reliant defence ecosystem aligned with the vision of *Atmanirbhar Bharat*.



Topic 4: UAVs in Disaster Response & Public Safety

The session on "UAVs in Disaster Response & Public Safety" was delivered by Arjav Joshi from Jalkruti Water Solutions Private Limited.

In the session, Arjav Joshi highlighted the growing role of Unmanned Aerial Vehicles (UAVs) in disaster response, emergency management, and public safety operations. He discussed how drone technologies are being increasingly used for rapid damage assessment, search and rescue missions, flood monitoring, surveillance, mapping, and real-time situational awareness during natural disasters and emergencies.

He also emphasized the advantages of UAVs in improving operational efficiency, reducing response time, and enabling safer access to difficult or hazardous areas. The session showcased the importance of integrating drone technologies with geospatial systems and data analytics to strengthen disaster preparedness and enhance public safety mechanisms across the country.



Topic: UAV Innovation & Manufacturing Innovation in India

The session on "UAV Innovation & Manufacturing Innovation in India" was delivered by Shri Arun Kumar, Senior Manager – Technical (Additive Manufacturing) at EDS Technologies Private Limited.

In his presentation, Shri Arun Kumar highlighted the rapid growth of UAV technologies and the increasing importance of indigenous manufacturing capabilities in India's aerospace and defence sectors. He discussed the role of additive manufacturing, advanced materials, precision engineering, and digital design technologies in accelerating UAV development and production.

He also emphasized how innovation-driven manufacturing processes are enabling faster prototyping, cost optimization, customization, and improved operational performance of unmanned aerial systems. The session showcased the importance of research, industry collaboration, and advanced manufacturing technologies in strengthening India's UAV ecosystem and supporting the vision of *Atmanirbhar Bharat*.



Topic: Smart Policing & Integrated Command Systems

The session on **"Smart Policing & Integrated Command Systems"** was delivered by Shri Venkat Ramana Rao Adoni, distinguished cyber security expert and international governance specialist from Telangana.

In his presentation, Shri Venkat Ramana Rao Adoni highlighted the growing importance of technology-driven policing and integrated command systems in enhancing public safety, law enforcement efficiency, and urban security management. He discussed the role of artificial intelligence, cybersecurity frameworks, surveillance technologies, data analytics, and centralized command centres in enabling real-time monitoring, incident response, and coordinated decision-making.

He also emphasized the need for smart governance models, digital infrastructure, and inter-agency coordination to effectively address evolving cyber and security challenges. The session provided valuable insights into how smart policing solutions and integrated command systems are transforming modern law enforcement and strengthening national security preparedness.



Closing Remarks

The Closing Remarks were delivered by Commander Prasad YVV, Senior Veteran of the Indian Navy, Chairman – Global Aerospace & Defence Council, Trade Promotion Council for Geospatial and Space Industry, Principal Strategic Defence Adviser, and Founder & Managing Director of Prasad Consulting Hyd (India) Pvt Ltd.

In his concluding address, Commander Prasad YVV appreciated the active participation of defence personnel, government officials, scientists, industry leaders, startups, academicians, and delegates who contributed to the success of SwaRaksha Mahotsav 2026. He highlighted the importance of continuous innovation, indigenous technology development, and strategic collaboration in strengthening India's aerospace, defence, geospatial, and security ecosystem.

He emphasized that the discussions and knowledge-sharing sessions conducted during the Mahotsav reflected India's growing capabilities in emerging technologies, operational preparedness, and strategic intelligence. He also encouraged greater collaboration between government, industry, research institutions, and young innovators to accelerate self-reliance and technological advancement under the vision of *Atmanirbhar Bharat*.

Concluding his remarks, he expressed confidence that SwaRaksha Mahotsav would continue to serve as an important national platform for fostering innovation, partnership, and capability development towards building a secure, resilient, and technologically empowered India.



Guest Felicitation:





















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May 2027

Kolkata, West Bengal