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# Important Days



➤ **What is the theme for World Sickle Cell Day 2024?**

- A) "United Against Sickle Cell"
- B) "Hope Through Progress: Advancing Sickle Cell Care Globally"
- C) "Awareness and Action for Sickle Cell"
- D) "Ending the Pain of Sickle Cell"
- E) "Sickle Cell: A Global Health Priority"



JUNE 19

**WORLD  
SICKLE  
CELL  
DAY**

**Answer**

**B) "Hope Through Progress: Advancing Sickle Cell Care Globally"**



# Important Days



## Event and Location:

- **Event:** World Sickle Cell Day 2024
- **Location:** Observed globally





# Important Days



## Mandates and Objectives:

- **Mandates:** Raise awareness about sickle cell disease (SCD) and the challenges faced by patients and their families
- **Objectives:**
  - Enhance public knowledge and understanding of SCD
  - Promote early diagnosis, effective treatment, and preventive measures
  - Unite global and local organizations for awareness campaigns and activities



# Important Days



## Important Terms Explained:

- **Sickle Cell Disease (SCD):** A genetic blood disorder caused by a mutation in the hemoglobin gene, leading to abnormal, rigid, crescent-shaped red blood cells that obstruct blood flow
- **National Sickle Cell Anemia Elimination Mission (NSCAEM):** A mission launched in 2023 to eliminate sickle cell anemia in India by 2047 through screening, awareness, and management
- **World Sickle Cell Day:** An annual observance held on June 19 to raise awareness about sickle cell disease



# Important Days



## Static GK Information:

- **United Nations (UN):** Recognized World Sickle Cell Day to raise global awareness of sickle cell disease
- **National Sickle Cell Anemia Elimination Mission (NSCAEM):**
  - Launched: July 1, 2023
  - Objective: Eliminate sickle cell anemia by 2047
  - Focus States: 17 high-prevalence states in India



# Important Days



## Tabular Summary:

Key Detail	Description
Date	June 19, 2024
Theme	"Hope Through Progress: Advancing Sickle Cell Care Globally"
Significance	Raise awareness and educate the public about sickle cell disease (SCD)
Objective	Promote early diagnosis, effective treatment, and preventive measures
Key Activities	Awareness campaigns, screening events, distribution of Sickle Cell Status ID cards
NSCAEM Screening Records	3,39,77,877 individuals screened since inception
NSCAEM ID Cards Distributed	1,12,01,612 Sickle Cell Status ID cards
Events on Sickle Cell Day	44,751 events organized across 17 high burden states and 343 districts in India
Global Recognition	Recognized by the United Nations (UN) to raise awareness globally





# Important Days

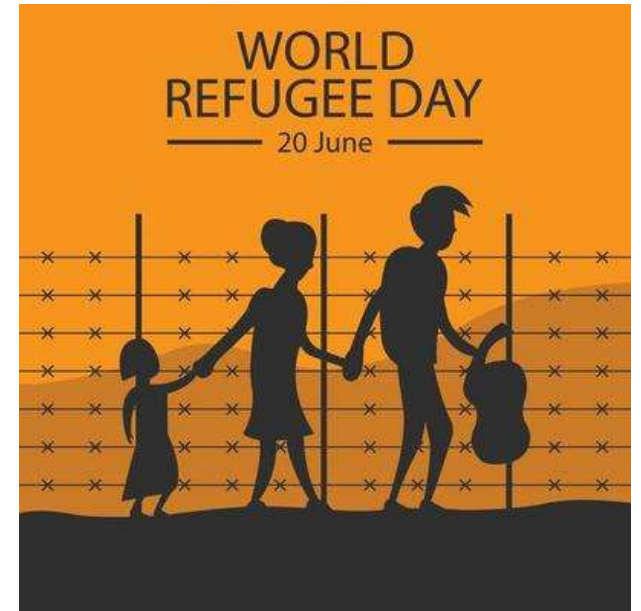


➤ **What is the official theme for World Refugee Day 2024?**

- A) Refugees: Resilience and Strength
- B) Unity in Diversity
- C) Everyone is Welcome
- D) Building Bridges
- E) Together for a Better Future

**Answer**

**C) Everyone is Welcome**



# Important Days



## Event and Location:

- **Event:** World Refugee Day 2024
- **Location:** Celebrated globally



# Important Days



## Mandates and Objectives:

- **Mandates:** Raise awareness about the plight of refugees and advocate for their rights
- **Objectives:**
  - Foster empathy and understanding for refugees
  - Advocate for the rights and inclusion of refugees
  - Promote global unity and support for refugees



# Important Days



## Important Terms Explained:

- **World Refugee Day:** An international observance dedicated to raising awareness about the conditions and challenges faced by refugees
- **Refugee:** A person forced to flee their home country due to war, persecution, or natural disasters
- **1951 Refugee Convention:** A United Nations treaty that defines the rights of refugees and the legal obligations of states to protect them





# Important Days



## Static GK Information:

- **United Nations (UN):**
  - Founded Year: 1945
  - Headquarters: New York City, USA
  - Secretary-General: António Guterres
- **World Refugee Day:**
  - First Celebrated: 2000 (by UN General Assembly)
  - Date: Annually on June 20



# Important Days



## Tabular Summary:

Key Detail	Description
Event	World Refugee Day 2024
Date	June 20, 2024
Theme	"Everyone is Welcome"
Significance	Raise awareness, foster empathy, and advocate for refugee rights
History	Initiated regionally in Africa in 1970; Global recognition by UN in 2000
Key Focus	Individuals and families forced to flee their homes due to war, persecution, or natural disasters
UN Role	Defined refugee rights in 1951 Refugee Convention
Objectives	Promote global unity, ensure access to asylum, and create welcoming environments for refugees



➤ **At which event did Neeraj Chopra clinch his maiden gold medal in 2024?**

- A) Doha Diamond League
- B) Stockholm Diamond League
- C) National Federation Cup Senior Athletics Championships
- D) Ostrava Golden Spike
- E) Paavo Nurmi Games



**Answer**  
**E) Paavo Nurmi Games**



# SPORTS



## Event and Location:

- **Event:** Neeraj Chopra wins maiden gold medal at the Paavo Nurmi Games 2024
- **Location:** Finland





## Mandates and Objectives:

- **Mandates:** Compete in international javelin throw events
- **Objectives:** Achieve top performance and secure a gold medal



## Important Terms Explained:

- **Javelin Throw:** A track and field event where athletes throw a spear-like implement as far as possible
- **Paavo Nurmi Games:** An annual track and field competition held in Finland, named after the legendary Finnish runner Paavo Nurmi
- **Diamond League:** A series of elite track and field athletic competitions



## Static GK Information:

- **Neeraj Chopra:**
  - **Born:** December 24, 1997
  - **Achievements:** Olympic gold medalist, World Champion in javelin throw
  - **Personal Best:** 89.94m
- **Paavo Nurmi Games:**
  - **Location:** Turku, Finland
  - **Significance:** Named after Finnish Olympic legend Paavo Nurmi



# SPORTS



## Tabular Summary:

Key Detail	Description
Event	Paavo Nurmi Games 2024
Location	Finland
Achievement	Neeraj Chopra clinches maiden gold medal
Winning Throw	85.97m
Other Competitors	Max Dehning (7th place), Toni Keranen (silver), Oliver Helander (bronze)
Chopra's Performance	Started with 83.62m, secured gold with 85.97m throw
Upcoming Events for Chopra	Paris Diamond League on July 7, 2024
Previous Competitions	Doha Diamond League (2nd place), National Federation Cup Senior Athletics Championships (gold)



# RANKING



➤ What rank did Visakhapatnam Port achieve in the 2023 Container Port Performance Index (CPPI)?

- A) 115
- B) 27
- C) 41
- D) 19
- E) 68

**Answer**  
**D) 19**



# RANKING



## Event and Location:

- **Event:** Visakhapatnam Port ranked among top 20 globally for container performance
- **Location:** Visakhapatnam, India





# RANKING



## Mandates and Objectives:

- **Mandates:** Enhance the performance and efficiency of container handling
- **Objectives:**
  - Achieve a ranking among the top ports globally
  - Reach a target of over a million TEUs by FY 2025-26
  - Maintain strong collaboration with stakeholders



# RANKING



## Important Terms Explained:

- **Container Port Performance Index (CPPI):** An index developed by the World Bank and S&P Global Market Intelligence to measure the performance, efficiency, and resilience of container ports globally
- **TEU (Twenty-foot Equivalent Unit):** A measure used for capacity in container transportation, representing the volume of a standard 20-foot-long container
- **Turnaround Time (TRT):** The time taken for a ship to complete its loading or unloading at a port and be ready to leave
- **Berth Idle Time:** The time when a berth is not occupied by a vessel, indicating how efficiently a port is utilizing its resources



# RANKING



## Static GK Information:

- **Visakhapatnam Port:**
  - **Location:** Visakhapatnam, Andhra Pradesh, India
  - **Chairperson:** M Angamuthu
- **CPPI Report:**
  - **Prepared by:** World Bank and S&P Global Market Intelligence
  - **Focus:** Measures the resilience, efficiency, and overall performance of container ports



# RANKING



## Tabular Summary:

Key Detail	Description
Port	Visakhapatnam Port
CPPI Rank (2023)	19
CPPI Rank (2022)	115
Metrics	27.5 moves per crane hour, TRT of 21.4 hours, minimal berth idle time
Performance Highlight	Significant improvement from rank 115 to 19
Future Goal	Achieve over a million TEUs by FY 2025-26
Collaboration	Strong focus on collaboration with stakeholders
Other Indian Ports in Top 100	Pipavav (41), Kamarajar (47), Cochin (63), Hazira (68), Krishnapatnam (71), Chennai (80), Jawaharlal Nehru (96), Mundra (27)



# APPOINTMENTS



➤ Who has been appointed as the new Chairman and Managing Director of Bharat Electronics Limited (BEL)?

- A) Nitin Gadkari
- B) Mukesh Ambani
- C) Ratan Tata
- D) Manoj Jain
- E) Sundar Pichai

**Answer**  
**D) Manoj Jain**



# APPOINTMENTS



## Event and Location:

- **Event:** Appointment of Manoj Jain as Chairman and Managing Director of Bharat Electronics Limited (BEL)
- **Location:** Bengaluru, India





# APPOINTMENTS



## Mandates and Objectives:

- **Mandates:** Lead Bharat Electronics Limited (BEL) as Chairman and Managing Director
- **Objectives:**
  - Oversee the company's operations and strategic direction
  - Enhance the company's capabilities in research and development
  - Drive innovation in defense technologies and other key areas



# APPOINTMENTS



## Important Terms Explained:

- **Bharat Electronics Limited (BEL):** An Indian state-owned aerospace and defense company, primarily manufacturing advanced electronic products for the Indian Armed Forces
- **Chairman and Managing Director (CMD):** The highest-ranking executive in a company, responsible for the overall management and operations
- **Research and Development (R&D):** A crucial function in technology and defense sectors focused on developing new products and technologies
- **Electronic Warfare and Avionics:** Specialized fields within defense technology focusing on electronic warfare systems and avionics for aircraft



# APPOINTMENTS



## Static GK Information:

- **Bharat Electronics Limited (BEL):**
  - **Founded Year:** 1954
  - **Headquarters:** Bengaluru, India
  - **Core Areas:** Defense electronics, aerospace products, and advanced electronic products



# APPOINTMENTS



## Tabular Summary:

Key Detail	Description
Company	Bharat Electronics Limited (BEL)
New Appointment	Manoj Jain as Chairman and Managing Director
Previous Roles	Director (R&D), Director (Bangalore Complex), Director (HR), General Manager of Electronic Warfare and Avionics SBU at BEL's Bangalore Complex
Career Start	Joined BEL as a Probationary Engineer in August 1991
Notable Contributions	Development of Digital Multiplexers, Cross Connects, CDOT Exchanges, Military Switches, Defense Networks, Radar technologies
Past Roles in BEL	Chief Scientist of CRL-Bangalore, General Manager of Product Development and Innovation Centre (PD&IC)
Company Focus	Research and development, innovation in defense technologies



➤ **What is the primary purpose of the 3D-printed pedestrian bridge installed at IIT-Hyderabad campus?**

- A) To promote traditional construction methods
- B) To serve as a technology demonstrator for 3D concrete printing
- C) To create a new transportation system
- D) To enhance the aesthetic appeal of the campus
- E) To test new bridge materials



**Answer**

**B) To serve as a technology demonstrator for 3D concrete printing**





# SCIENCE AND TECHNOLOGY





## Event and Location:

- **Event:** Installation of a 3D-printed pedestrian bridge
- **Location:** IIT-Hyderabad campus



## Mandates and Objectives:

- **Mandates:** Demonstrate the potential of 3D concrete printing technology
- **Objectives:**
  - Showcase the flexibility and efficiency of 3D concrete printing in structural systems
  - Develop lightweight bridges with easy deployment capabilities
  - Serve as a technology demonstrator for future applications in construction



## Important Terms Explained:

- **3D Concrete Printing:** An innovative construction technology where concrete is printed layer-by-layer to create structures, offering benefits in terms of flexibility, efficiency, and potential for complex designs
- **Technology Demonstrator:** A prototype or model used to showcase and test new technologies and innovations, demonstrating their feasibility and potential applications



## Static GK Information:

- **Indian Institute of Technology (IIT-Hyderabad):**
  - **Established Year:** 2008
  - **Location:** Hyderabad, Telangana, India
  - **Director:** Prof. B.S. Murty
- **Simpliforge Creations:**
  - A startup specializing in providing 3D concrete printing solutions
  - Collaborated with IIT-Hyderabad for the bridge project



## Tabular Summary:

Key Detail	Description
Project	3D-printed pedestrian bridge
Location	IIT-Hyderabad campus
Lead Developer	K.V.L. Subramaniam (Department of Civil Engineering, IIT-Hyderabad)
Collaborating Startup	Simpliforge Creations
Bridge Length	7.50 meters
Purpose	Serve as a technology demonstrator for 3D concrete printing
Testing	Load testing conducted on a smaller prototype before installation
Benefits	Added flexibility in printed forms, efficient structural systems, lightweight and easy deployment



➤ Which strategic command of the Indian Army will soon be inducting the ASMI submachine gun?

- A) Western Command
- B) Eastern Command
- C) Southern Command
- D) Northern Command
- E) Central Command

**Answer**

**D) Northern Command**





# DEFENCE



## Event and Location:

- **Event:** Induction of ASMI submachine gun by the Indian Army's Northern Command
- **Location:** Udhampur, Jammu and Kashmir, India



## Mandates and Objectives:

- **Mandates:** Enhance combat and counter-insurgency operations
- **Objectives:**
  - Strengthen the capabilities of the Northern Command
  - Support operations and security along the northern borders, including Jammu and Kashmir and parts of Himachal Pradesh



## Important Terms Explained:

- **ASMI Submachine Gun:** A lightweight, single unibody 9×19 mm caliber submachine gun developed by DRDO's Armament Research and Development Establishment (ARDE) in collaboration with the Indian Army
- **Atmanirbhar Bharat:** An initiative by the Government of India to make the country self-reliant by promoting indigenous manufacturing
- **Defence Research and Development Organisation (DRDO):** An agency under the Ministry of Defence responsible for the development of technology for use by the Indian military
- **Northern Command:** A strategic command of the Indian Army responsible for operations and security along the northern borders, including Jammu and Kashmir and parts of Himachal Pradesh



## Static GK Information:

- **Northern Command:**
  - **Headquarters:** Udhampur, Jammu and Kashmir, India
  - **Area of Responsibility:** Northern borders, including Jammu and Kashmir and parts of Himachal Pradesh
- **Defence Research and Development Organisation (DRDO):**
  - **Founded Year:** 1958
  - **Headquarters:** New Delhi, India
  - **Chairman:** Dr. Samir V. Kamat



# DEFENCE



## Tabular Summary:

Key Detail	Description
Inducting Command	Northern Command
Weapon	ASMI submachine gun
Manufacturer	Lokesh Machine Limited
Development	DRDO's Armament Research and Development Establishment (ARDE) and Indian Army
Caliber	9×19 mm
Weight	1.80 kg
Magazine Capacity	32 rounds
Firing Rate	800 rounds per minute
Order Quantity	Around 500 ASMI submachine guns
Order Value	Worth crores



➤ **What key issues will be addressed during the 112<sup>th</sup> Session of the International Labour Conference?**

- A) Global economic policies and trade agreements
- B) Protection of workers against climate change and biological hazards
- C) Development of new financial instruments
- D) International military cooperation
- E) Technological advancements in space exploration



**International  
Labour  
Organization**

**Answer**

**B) Protection of workers against climate change  
and biological hazards**





# INTERNATIONAL AFFAIRS





## Event and Location:

- **Event:** 112<sup>th</sup> Session of the International Labour Conference



## Mandates and Objectives:

- **Mandates:** Address key issues affecting workers worldwide
- **Objectives:**
  - Discuss the protection of workers against climate change and biological hazards
  - Focus on the care economy and fundamental principles and rights at work
  - Elect members of the ILO Governing Body for the 2024-27 term



## Important Terms Explained:

- **International Labour Conference:** An annual meeting of government, employer, and worker delegates from ILO Member States to discuss and set international labour standards
- **International Labour Organization (ILO):** A United Nations agency that sets international labor standards and promotes social protection and work opportunities for all
- **Care Economy:** Economic activities and jobs related to providing care for children, the elderly, and people with disabilities
- **ILO Governing Body:** The executive body of the ILO, which takes decisions on ILO policy, decides the agenda of the International Labour Conference, and adopts the ILO's budget and program of activities



## Static GK Information:

- **International Labour Organization (ILO):**
  - **Founded Year:** 1919
  - **Headquarters:** Geneva, Switzerland
  - **Director-General:** Gilbert F. Hougbo



# INTERNATIONAL AFFAIRS



## Tabular Summary:

Key Detail	Description
Conference	112 <sup>th</sup> Session of the International Labour Conference
Participants	Government, employer, and worker delegates from 187 ILO Member States
Key Issues	Protection of workers against climate change and biological hazards, care economy, fundamental principles and rights at work
Elections	Election of members of the ILO Governing Body for the 2024-27 term
ILO Role	Sets international labor standards, promotes social protection, and work opportunities



➤ **What was the primary focus of the 2<sup>nd</sup> meeting of the India-Cambodia Joint Working Group on Trade & Investment held in New Delhi?**

- A) Development of new infrastructure projects
- B) Enhancing bilateral trade and investment and collaboration in UPI, pharmaceuticals, traditional medicine
- C) Discussing environmental conservation efforts
- D) Negotiating a defense pact
- E) Promoting cultural exchanges and tourism



**Answer**

**B) Enhancing bilateral trade and investment and collaboration in UPI, pharmaceuticals, traditional medicine**



## Event and Location:

- **Event:** 2<sup>nd</sup> meeting of India-Cambodia Joint Working Group on Trade & Investment (JWGTI)
- **Location:** Vanijya Bhawan, New Delhi





## Mandates and Objectives:

- **Mandates:** Enhance bilateral trade and investment between India and Cambodia
- **Objectives:**
  - Deepen bilateral trade and investment
  - Create mechanisms for cooperation in mutual interest sectors
  - Collaborate in traditional medicine and e-governance
  - Diversify the trade basket by identifying new products
  - Discuss bilateral investment treaty
  - Promote collaboration in the pharmaceutical sector
  - Implement UPI-based digital payment systems to promote trade and tourism



## Important Terms Explained:

- **Joint Working Group on Trade & Investment (JWGTI):** A bilateral forum for discussing and enhancing trade and investment relations between two countries
- **Unified Payment Interface (UPI):** An instant real-time payment system developed by the National Payments Corporation of India (NPCI), facilitating inter-bank transactions
- **Indian Pharmacopoeia:** An official document prescribing the standards of drugs manufactured and marketed in India
- **Traditional Medicine:** Medical knowledge systems that developed over generations within various societies before the era of modern medicine



## Static GK Information:

- **India:**
  - **Capital:** New Delhi
  - **Currency:** Indian Rupee (INR)
  - **Prime Minister:** Narendra Modi
- **Cambodia:**
  - **Capital:** Phnom Penh
  - **Currency:** Cambodian Riel (KHR)
  - **Prime Minister:** Hun Sen



# INTERNATIONAL AFFAIRS



## Tabular Summary:

Key Detail	Description
Event	2 <sup>nd</sup> meeting of India-Cambodia Joint Working Group on Trade & Investment (JWGTI)
Location	Vanijya Bhawan, New Delhi
Date	June 19, 2024
Co-Chairs	Shri Siddharth Mahajan (India) and Mr. Long Kemvichet (Cambodia)
Main Focus	Enhancing bilateral trade and investment, and collaboration in UPI, pharmaceuticals, traditional medicine
Key Discussions	Traditional medicine, e-governance, diversification of trade basket, bilateral investment treaty, collaboration in pharma sector, UPI-based digital payment
Investment Opportunities	Highlighted by Cambodia for Indian businesses in various sectors
Meeting Type	First physical meeting after being institutionalized; the first meeting was held virtually in July 2022
Outcome	Agreement on need for more interaction for mutual benefits



➤ **Who launched the website and mobile app for World Food India 2024?**

- A) Shri Narendra Modi and Shri Amit Shah
- B) Shri Chirag Paswan and Shri Ravneet Singh
- C) Shri Nitin Gadkari and Shri Piyush Goyal
- D) Shri Rajnath Singh and Shri Nirmala Sitharaman
- E) Shri Hardeep Singh Puri and Shri Smriti Irani



**Answer**

**B) Shri Chirag Paswan and Shri Ravneet Singh**



# NATIONAL AFFAIRS



## Event and Location:

- **Event:** Launch of website and mobile app for World Food India 2024



## Mandates and Objectives:

- **Mandates:** Promote the food processing sector, reduce agricultural wastage, ensure food security, and strengthen the supply chain
- **Objectives:**
  - Foster collaboration and partnerships among global and Indian food sector stakeholders
  - Showcase India's prowess in the food processing and allied sectors
  - Promote the Startup Grand Challenge to foster innovation in the food sector





## Important Terms Explained:

- **World Food India:** A flagship event organized by the Ministry of Food Processing Industries to bring together stakeholders from the food industry
- **Pradhan Mantri Kisan Sampada Yojana (PMKSY):** A scheme aimed at creating modern infrastructure for food processing
- **Production Linked Incentive Scheme (PLIS):** A scheme to promote domestic manufacturing and attract large investments in the food processing sector
- **Pradhan Mantri Formalisation of Micro Food Processing Enterprises (PMFME):** A scheme to enhance the competitiveness of individual micro-enterprises in the food processing sector



## Static GK Information:

- **Ministry of Food Processing Industries:**
  - **Current Union Minister:** Shri Chirag Paswan
  - **Minister of State:** Shri Ravneet Singh
  - **Secretary:** Smt. Anita Praveen
- **Startup India:** An initiative to foster innovation and support startups in India



# NATIONAL AFFAIRS



## Tabular Summary:

Key Detail	Description
Event	Launch of website and mobile app for World Food India 2024
Launch Date	June 19, 2024
Key Individuals	Shri Chirag Paswan and Shri Ravneet Singh
Main Focus	Food processing sector, reducing agricultural wastage, ensuring food security
Flagship Event Dates	September 19-22, 2024
Previous Edition Success	1,208 exhibitors, 715 international buyers, 24 states, 75,000 attendees, 16,000 B2B/B2G meetings
Schemes Mentioned	PMKSY, PLIS, PMFME
Special Initiatives	2nd edition of the Startup Grand Challenge in collaboration with Startup India



- **What was the primary focus of the "Yoga for Space" conference organized by CCRYN and Svyasa in Bengaluru?**
- A) Promoting traditional Indian medicine
  - B) Discussing space exploration technologies
  - C) Highlighting the physiological effects of yoga for astronauts
  - D) Launching new space missions
  - E) Training new astronauts



**Answer**

**C) Highlighting the physiological effects of yoga for astronauts**



# NATIONAL AFFAIRS



## Event and Location:

- **Event:** "Yoga for Space" conference organized by CCRYN and Svyasa
- **Location:** S-Vyasa University, Bengaluru



## Mandates and Objectives:

- **Mandates:** Promote the integration of yoga practices to support the health of astronauts
- **Objectives:**
  - Explore the benefits of yoga for astronauts
  - Discuss the physiological impacts of the space environment
  - Promote awareness of yoga's role in enhancing overall well-being during space exploration



## Important Terms Explained:

- **CCRYN (Central Council for Research in Yoga & Naturopathy):** An autonomous body under the Ministry of AYUSH, Government of India, focusing on research and promotion of yoga and naturopathy
- **Svyasa University:** A deemed university in Bengaluru specializing in yoga and allied sciences
- **International Day of Yoga (IDY):** An annual event celebrated on June 21 to promote the benefits of practicing yoga worldwide
- **Microgravity:** The condition in which objects appear to be weightless and experience very low gravity, typically found in space environments
- **Neurovestibular System:** A system in the human body that contributes to balance and spatial orientation





## Static GK Information:

- **Ministry of AYUSH:**
  - Responsible for developing education, research, and propagation of indigenous alternative medicine systems in India
  - **Founded Year:** 2014
  - **Headquarters:** New Delhi, India
  - **Minister:** Shri Sarbananda Sonowal
- **ISRO (Indian Space Research Organisation):**
  - **Founded Year:** 1969
  - **Headquarters:** Bengaluru, India
  - **Chairman:** Dr. S. Somanath



# NATIONAL AFFAIRS



## Tabular Summary:

Key Detail	Description
Event	"Yoga for Space" conference
Organizers	CCRYN and Svyasa University
Location	S-Vyasa University, Bengaluru
Theme	"Yoga for Self & Society"
Focus	Highlighting the physiological effects of yoga for astronauts
Key Participants	Representatives from Indian institutions like ISRO, IIT Delhi, Institute for Aerospace Medicine
Significant Topics	Gaganyaan Mission, physiological impacts of space, neurovestibular system challenges, benefits of yoga for astronauts
Outcome	Promote the integration of yoga practices to support astronaut health and well-being



➤ **What is the primary objective of the MoU signed between NHAI and IIIT Delhi?**

- A) To develop new highways
- B) To enhance road safety by deploying Artificial Intelligence
- C) To reduce toll fees
- D) To construct new road signages
- E) To promote tourism



**Answer**

**B) To enhance road safety by deploying Artificial Intelligence**



## Event and Location:

- **Event:** Signing of a Memorandum of Understanding (MoU) between NHA and IIT Delhi



## Mandates and Objectives:

- **Mandates:** Leverage AI-based solutions to improve road safety
- **Objectives:**
  - Conduct surveys to collect imagery and data on road signs
  - Use AI to identify and classify road signs accurately
  - Provide a geo-stamped inventory of existing road signs
  - Conduct a gap study to assess the difference between current road sign conditions and requirements



## Important Terms Explained:

- **NHAI (National Highways Authority of India):** An autonomous agency of the Government of India, responsible for the management of a network of over 50,000 km of National Highways
- **IIT Delhi (Indraprastha Institute of Information Technology Delhi):** A technical university established by the Government of National Capital Territory (NCT), specializing in information technology and its applications
- **Artificial Intelligence (AI):** The simulation of human intelligence in machines that are programmed to think and learn like humans
- **Geographic Information Systems (GIS):** A framework for gathering, managing, and analyzing spatial and geographic data



## Static GK Information:

- **NHAI:**
  - **Founded Year:** 1988
  - **Headquarters:** New Delhi, India
  - **Chairman:** Santosh Kumar Yadav
- **IIIT Delhi:**
  - **Founded Year:** 2008
  - **Headquarters:** New Delhi, India
  - **Director:** Prof. Ranjan Bose



# NATIONAL AFFAIRS



## Tabular Summary:

Key Detail	Description
Partnership	NHAI and IIIT Delhi
MoU Purpose	Enhance road safety by deploying Artificial Intelligence
Target Area	National Highways
Survey Length	Around 25,000 km
Key Activities	Collecting imagery and data, identifying and classifying road signs, geo-stamped inventory, gap study
Technologies Used	Artificial Intelligence (AI), Geographic Information Systems (GIS)
Outcome	Enhanced road safety for National Highway users





# QUICK RECALL



- **World Sickle Cell Day 2024, themed "Hope Through Progress: Advancing Sickle Cell Care Globally," aims to raise awareness and promote better care for sickle cell disease.**
- **World Refugee Day 2024, themed "Everyone is Welcome," highlights global unity and support for refugees, promoting inclusion and advocacy for their rights.**
- **Neeraj Chopra wins maiden gold medal at the Paavo Nurmi Games 2024 in Finland with a throw of 85.97m.**
- **Visakhapatnam Port achieved a significant improvement, ranking 19th globally in the 2023 Container Port Performance Index, up from 115th in 2022.**
- **Manoj Jain has been appointed as the new Chairman and Managing Director of Bharat Electronics Limited (BEL), bringing over three decades of experience in research and development to lead the company.**
- **IIT-Hyderabad installs a 3D-printed pedestrian bridge, serving as a technology demonstrator for 3D concrete printing to develop lightweight, easily deployable bridges.**



# QUICK RECALL



- **Indian Army's Northern Command to induct the ASMI submachine gun, enhancing combat and counter-insurgency capabilities in strategic northern regions.**
- **The 112th Session of the International Labour Conference will address worker protection against climate change and biological hazards, the care economy, and fundamental rights at work, and will elect members of the ILO Governing Body for 2024-27.**
- **The 2nd meeting of the India-Cambodia Joint Working Group on Trade & Investment focused on enhancing bilateral trade and investment and fostering collaboration in UPI, pharmaceuticals, and traditional medicine.**
- **Union Ministers Shri Chirag Paswan and Shri Ravneet Singh launch the website and mobile app for World Food India 2024, highlighting the importance of the food processing sector and promoting global collaboration and innovation.**



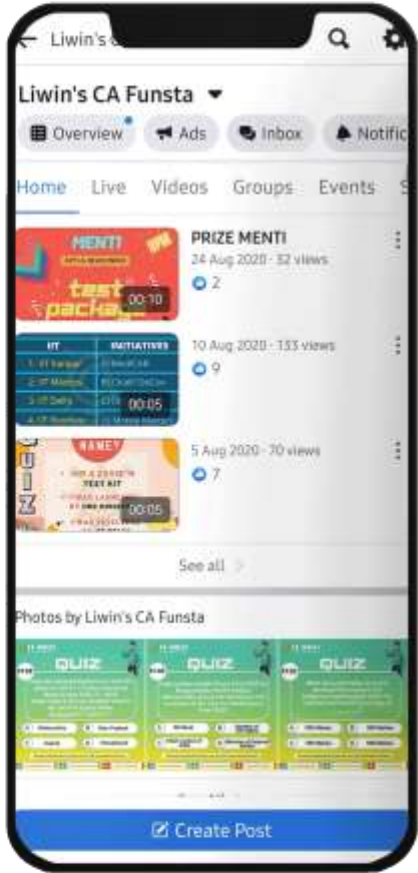
# QUICK RECALL



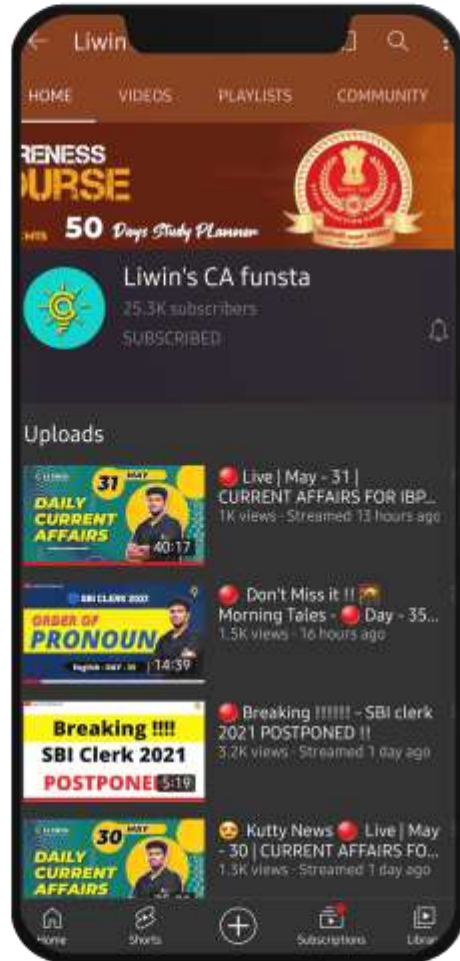
- **The "Yoga for Space" conference in Bengaluru, organized by CCRYN and Svyasa, focused on highlighting the physiological benefits of yoga for astronauts and promoting its integration into space missions.**
- **NHAI partners with IIT Delhi to enhance road safety on National Highways by deploying AI-based solutions and conducting comprehensive surveys and gap studies.**



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