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1. Jyotiraditya Scindia inaugurates 4th Heli-India Summit 2022 (Oct. 10, 2022)

Union Civil Aviation Minister **Jyotiraditya Scindia** and Jammu and Kashmir Lieutenant Governor **Manoj Sinha** inaugurated the **4th Heli-India Summit 2022** in **Srinagar** on 10 October.

Important facts

- The theme of 4th Heli-India Summit 2022 is '**Helicopters for last Mile Connectivity'.**

- He said that a civil enclave will be built in Jammu at a cost of Rs 861 crores and the Srinagar's present terminal will be expanded three times from 20,000 square meters to 60,000 square meters at a cost of Rs 1500 crores.

- He said that the decrease in VAT on **Aviation Turbine Fuel (ATF**) from 26.5 percent to one percent by the J&K government.

- The **HeliSewa portal** is completely online and is being used by all operators to obtain landing permissions for helipads, and is also creating a database of helipads in the country.

- **Helidisha,** guidance material on helicopter operations for the state administration has been distributed in 780 districts.

- Helicopter Accelerator cell is fully proactive in resolving helicopter issues and an advisory group of industry representatives is helping to identify the problem areas.

- Three helicopter corridors have been built from Mumbai-Pune, Ahmedabad-Gandhinagar and Shamshabad-Begumpet and new IFR corridors are being planned.

- In terms of railway connectivity, Jammu and Kashmir will be connected with Kanyakumari by next year.

2. National Conference on Skilling in Non- Traditional Livelihood for Girls "Betiyan Bane Kushal" (Oct. 10, 2022)

Women and Child Development Ministry to organize National Conference on Skilling in Non-Traditional Livelihood for Girls '**Betiyan Bane Kushal**' on 11 October.

Important facts

- The conference is being organized under the banner of **Beti Bachao Beti Padhao** on the occasion of **International Day of the Girl Child** on October 11, 2022.

- Under the **Betiyan Bane Kushal initiative**, the emphasis will be on convergence between Ministries and Departments to ensure skill development of girls.

- It will be organized by the Union Ministry of Women and Child Development.

- The conference will emphasise on the importance of boosting the capacity and skills of girls in **STEM (science, technology, engineering and mathematics)** fields to increase their participation in related professions and research.

- During the conference, the Ministry of Skill Development and Entrepreneurship (MSDE) and Minority Affairs will sign a Memorandum of Understanding (MoU) to promote the skills of young girls so that they can participate in the workforce in an equitable and empowered manner.

- During the event, both these ministries will commit towards focusing on promoting entrepreneurship skills, digital literacy, financial literacy and employability skills of girls and women.

Minister of Women and Child Development - **Smriti Zubin Irani**

Minister of Skill Development and Entrepreneurship - **Dharmendra Pradhan**

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4. The Plenary Session of North Eastern Council Concludes (Oct. 10, 2022)

The two-day plenary session of the **North Eastern Council (NEC**), which was held in **Guwahati**, under the chairmanship of Union Home Minister **Amit Shah** concluded in Guwahati on 9 October.

Important facts

- The meeting was attended by the Governors, Chief Ministers of North Eastern States, Union Ministers and Ministers of State for North Eastern Affairs and senior officers of various departments of the Centre and North Eastern States.

- In his address, Amit Shah said that there were three major hurdles in the path of development of the Northeast for decades - violence and unrest by extremist groups, lack of rail, road and air connectivity in the Northeast and previous governments' lack of emphasis on development of the Northeast.

- He said that the whole of India considers the languages, cultures, food and costumes of the Northeast of the country as its heritage and the Government of India is making every effort to preserve and promote the natural identity of this region.

- The 70th Plenary meeting reviewed the status of different ongoing social and developmental projects in the North Eastern Region.

NEHHDC Mobile Application launched

- The Home Minister launched the North Eastern Handicrafts & Handlooms Development Corporation Limited **(NEHHDC)** Mobile Application during the session.

- It would help register artisans and weavers online and collect authentic data through the app.

About North Eastern Council

- It is the nodal agency for the economic and social development of the **North Eastern Region.**

- It consists of the **eight States** of **Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura**.

- It was constituted under the **North Eastern Council Act in 1971.**

- The Council comprises Governors and Chief Ministers of constituent States and three members nominated by the President.

- The Union Cabinet, in June 2018, approved the proposal of the **Ministry of Development of North Eastern Region (DoNER**) to nominate the **Union Home Minister as the ex-officio Chairman** of the North Eastern Council (NEC).

- The Cabinet also approved that the **Minister of State (Independent Charge), Ministry of DoNER** will act as the **Vice-Chairma**n of the Council.

- It discusses any matter in which some or all the States represented on the Council have a common interest and advises the Central Government and the respective State Governments as to the action to be taken on any such matter.

- The headquarters - **Shillong**

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6. 'Project Mausam': ASI holds two-day meet (Oct. 10, 2022)

Under "**Project Mausam"**, the **Archaeological Survey of India (ASI)** organised a **two-day event** on 7th and 8th October, 2022 at **India Habitat Centre, New D**elhi with an aim to promote future research and broaden our understanding of the subject.

Important facts

- The "**Jaladhipurayatra: Exploring Multi-Cultural Relations among Indian Ocean Rim Countries"** conference covered many aspects of maritime exchanges and interactions.

- The conference was inaugurated by **Arjun Ram Meghwa**l, Minister of State for Culture and Parliamentary Affairs and **Meenakshi Lekhi**, Minister of State for Culture and External Affairs.

- A brochure on the objectives and scope of the Mausam project along with a brief outline of India's maritime heritage and a list of World Heritage properties of India was released on the occasion.

- The conference consisted of a plenary session followed by six academic sessions, each dealing with a particular aspect of India's maritime dialogue.

- On the second day an interaction session with eminent ambassadors of the Indian Ocean Rim countries was organized, which was presided over by the Minister of State for Culture and External Affairs **Meenakshi Lekhi.**

About "Project Mausam"

- It was launched by the Ministry of Culture, Government of India, at **UNESCO's 38th World Heritage Committee Meeting** held in Doha, **Qatar,** in 2014.

- Its main objective is to conduct archaeological and historical level research in relation to the multi-faceted Indian Ocean in order to uncover the cultural, commercial and religious interrelationships of this diverse region.

- Presently, the Archaeological Survey of India is in charge of overseeing the project.

The Archaeological Survey of India (ASI)

- It is the premier organisation for archaeological research and conservation of the nation's cultural heritage.

- It works under the **Ministry of Culture.**

- It manages more than 3650 ancient monuments, archaeological sites and remains of national importance.

- It was founded in 1861 by **Alexander Cunningham.**

- Alexander Cunningham was the **first Director-General** of ASI.

- He is also known as the **"Father of Indian Archaeology".**

- It is headed by a Director-General and is headquartered in New Delhi.

- Director General - **V. Vidyavathi**

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8. S Jaishankar inaugurates new Indian High Commission Chancery at Wellington in New Zealand (Oct. 10, 2022)

External Affairs Minister **S Jaishankar** on 9 October inaugurated the new **Indian High Commission Chancery in Wellington, New Zealand.**

Important facts

- He said that coordinating each other's potentials is a more prudent way to further deepen the vital ties between India and New Zealand.

- S. Jaishankar, who is on his **first visit to New Zealand** as External Affairs Minister, also said that there is a need to take the ties between the two countries afresh.

- He also said that there is massive potential for partnership between India and New Zealand in the field of agri-business.

- Strong cooperation between India and New Zealand will ensure peace, prosperity and progress in the shared region, he said.

- There is huge potential in business, digital, agriculture, education, skills, traditional medicine and maritime security domains, he said.

About New Zealand

- It is a remote, mountainous group of islands located off the s**outheast coast of Australia.**

- Prime Minister - **Jacinda Ardern**

- Capital - **Wellington**

- Currency - **New Zealand dollar**

- New Zealand was the first country to allow **women to vote in 1893.**

- New Zealand's **wetapunga** is one of the **heaviest insects** in the world.

- Major rivers - **Waikato, Clurtha, Rangitaiki, Wanganui, Manawatu, Buller, Rakaia, Waitaki, Waiau**

- Major Mountain Ranges - **Southern Alps, Kaikoura Ranges**

- New Zealand's two main islands - **North and South Islands,** are separated by the **Cook Strait.**

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10. India has the potential to lead fourth Industrial Revolution; PM Modi (Oct. 8, 2022)

Prime Minister Narendra Modi has said that India has the potential to lead the **4th Industrial revolution** and the government is working to make the country a manufacturing hub.

The message of the Prime Minister was read out at the "**Conference on Industry 4.0: Challenges Ahead and Way Forward"**, held at **Kevadia, Gujarat** on 7 October 2022.

The Conference was organised by the Union Ministry of Heavy Industry and was inaugurated by the Union Minister for Heavy Industries **Dr. Mahendra Nath Pandey.**

On the occasion, Union Minister for Heavy Industries Dr. Mahendra Nath Pandey and Minister of State for Heavy Industries Krishan Pal Gurjar flagged off **175 e buses**, 75 from Gujarat and 100 from Karnataka under FAME Scheme

He also inaugurated a **Centre for Industry 4.0 (C4i4) Lab in Pune.**

In 2019, **Faster Adoption and Manufacturing of Electric Vehicles** in India Phase II (FAME India Phase II)' for promotion of Electric Mobility in the country was approved. Through the scheme, it is planned to support 10 Lakhs e-two wheelers, 5 lakh e-3 wheelers, 55,000 4-wheelers and 7,000 e-buses.

Fourth Industrial Revolution

The Fourth Industrial Revolution (4IR) is a term coined in 2016 by **Klaus Schwab,** Founder and Executive Chairman of the World Economic Forum.

Incorporating advanced digital production (ADP) technologies into industrial production processes has given rise to the concept of Industry 4.0, also known as the Smart Factory.

In the 4IR, computers are connected and communicate with one another to ultimately make decisions without human involvement.

A combination of cyber-physical systems, the Internet of Things and the Internet of Systems make Industry 4.0 possible and the smart factory a reality.

Ultimately, it's the network of these machines that are digitally connected with one another and create and share information that results in the true power of Industry 4.0.

Industrial Revolutions

Industrial revolution refers to the change in human history from an agrarian society/economy to an economy/society dominated by Industry and machine manufacturing.

The **First Industrial revolution** started in England in about 1750-60. It was based on the use of machines for production which were driven by water and steam.

The **second Industrial revolution** which started in the late 19th century and early 20th century was characterized by the mass production of goods through assembly lines using electricity.

The **third Industrial revolution** was triggered by the use of computers which led to automation in production systems and development of smart and autonomous systems fueled by data and machine learning.