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TIME USE SURVEY 2024

- The Ministry of Statistics and Programme Implementation (MoSPI) recently released the **Time Use Survey (TUS) 2024**, highlighting significant trends in **how Indians allocate their time to various activities, including employment, caregiving, and leisure.**
 - The National Statistics Office (NSO), MoSPI conducted the first all-India Time Use Survey during January – December 2019.
 - The present TUS conducted during January – December 2024 is the second such All-India Survey.
- A key takeaway from the report is the **increase in women's participation in employment-related activities**, signalling a gradual shift from unpaid domestic work to paid jobs.
- This transformation is a crucial development in India's labor market dynamics, reflecting economic and social changes.

Key Findings of Time Use Survey 2024:

- **Rise in Workforce Participation**
 - The participation of women in employment-related activities has increased from **21.8% in 2019 to 25% in 2024.**
 - For men, the figure has risen from **70.9% to 75%.**
 - This data reflects an expanding economic role for women, although the gender gap in labor participation remains substantial.
- **Decline in Time Spent on Unpaid Domestic Work**
 - Women spent **305 minutes per day** on unpaid domestic services in 2024, compared to **315 minutes in 2019**, indicating a transition toward paid work.
 - Male members spent significantly less time on such tasks, averaging **88 minutes per day.**

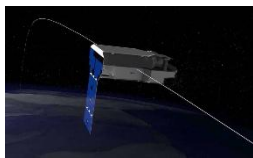
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- **Women's Role in Caregiving**
 - **41% of women aged 15-59** participated in caregiving activities, compared to only **21.4% of men** in the same age group.
 - Women spent **137 minutes per day** in caregiving, nearly double the **75 minutes spent by men**.
 - These figures highlight the continued burden of unpaid caregiving on women despite an increase in their economic participation.

Conclusion:

The **Time Use Survey 2024** underscores a positive shift toward greater female workforce participation in India. While progress has been made, gender disparities remain, necessitating **policy interventions, skill development, and supportive work environments** to ensure that more women can transition from unpaid domestic work to meaningful employment. A continued focus on gender equity in employment will play a crucial role in **India's economic growth and social progress**.

PUNCH MISSION



- The **Polarimetry to Unify the Corona and Heliosphere (PUNCH)** mission will be launched by SpaceX .
- **Components of PUNCH Mission:**
 - It will be a **constellation of four, suitcase-sized satellites** each weighing about 64 kg sent to **the Low Earth Orbit (LEO)**.
 - It will have **three Wide Field Imagers (WFI)** and one **Narrow Field Imager onboard**. Once every four minutes, each of the four cameras will capture three raw images using different polarising filters.
 - In addition, each camera will capture an unpolarised image once every eight minutes.



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- **Objectives of PUNCH Mission:**

- It is the first time that a solar mission has been specifically designed to make use of the **polarisation of light to measure the corona and solar wind**, that too, in 3D.
- It will provide scientists with new information which could lead to more accurate predictions about the arrival of space weather events on Earth and impact on humanity's robotic explorers in space.
- It will **measure** polarised light **using polarising filters**, enabling scientists to look into the **inner solar system**.
- PUNCH's four-camera setup will operate as a single, virtual instrument to generate large-scale imagery data, making it a unique information-loaded 3D image of the solar corona.

- **Time Period:** The expected mission life is **two years**.

AFRICAN-ASIAN RURAL DEVELOPMENT ORGANIZATION



- It is an autonomous **inter-governmental Organization** comprising country governments of **Africa and Asia** which was **established in 1962**.
- The organization was set up with a view to promote coordinated efforts, exchange of experiences and cooperative action for furthering the **objectives of development of the rural areas**.
- The membership of the organization is **open to all countries of the Afro-Asian region** provided that **it is a full or associate member of the United Nations** or any of its specialised agencies, organisations and foundations concerned with the development of rural communities.
- **Member countries:** Currently it comprises 32 countries of Africa and Asia as full members and 3 associate members.

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Functions:

- To **collaborate** with the appropriate **international** and **regional organizations**, including UN agencies, the national bodies, governmental or non-governmental
 - To **organize and facilitate** the conduct of international, regional and in-country training programmes to strengthen the institutional capacity of Afro-Asian member countries in **sustainable agriculture and rural development**
 - To **initiate research and action research studies** of specific or common interest and disseminate disaggregated data/statistics and information to member countries
 - To **provide technical and financial support** to its member countries to undertake pilot projects for experimentation and replication
 - It enjoys **observer status** with international organisations like **Food and Agriculture Organization (FAO)**, **International Fund for Agricultural Development (IFAD)**, **United Nations Conference on Trade and Development (UNCTAD)**, **United Nations Educational, Scientific and Cultural Organization (UNESCO)**, **United Nations Development Programme (UNDP)**.
 - **Headquarters:** New Delhi, India
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WHAT ARE DWARF GALAXIES?



- They are **small galaxies** that typically contain just a **few billion stars**, unlike **their larger cousins**, which can **hold hundreds of billions**.
- They are the **most abundant type of galaxy** in the universe but are **difficult to detect** due to their **low luminosity, low mass, and small size**.
- They are most commonly **found in galaxy clusters**, often as **companions to larger galaxies**.
 - Our Milky Way galaxy is orbited by more than 20 dwarf galaxies.

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- They are thought to have been **created by gravitational forces** in the early stages of the creation of these larger galaxies, **or as a result of collisions between galaxies**, forming from streams of material and dark matter ejected from the parent galaxies.
 - Because most of them come from galaxy collisions, many dwarf galaxies are **grouped into irregular shapes**.
 - However, **some dwarf galaxies** have spiral arms or **look like mini-elliptical galaxies**.
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HIGH COURT'S VERDICT ON NIGHTTIME ARRESTS OF WOMEN

Safeguards for Arresting Women at Night

- Two safeguards are provided under **Section 43(5) of BNSS** (which corresponds to **Section 46(4) of CrPC**) for the arrest of a woman by the police.
- **Restriction on Arrest Timing**
 - No arrest of a woman shall be made after sunset and before sunrise, except in exceptional circumstances.
- **Magistrate's Permission Requirement**
- In exceptional circumstances, a woman police officer must obtain prior written permission from the jurisdictional magistrate before making the arrest.
- **Protection Against Physical Contact**
 - The arresting officer must not touch the woman unless it is a woman police officer or circumstances require it.
- **Lack of Definition for 'Exceptional Circumstances'**
 - Section 46(4) of CrPC ensures the safety of women but does not explicitly define what qualifies as an exceptional situation, leading to ambiguity in its application.

Madras High Court's Ruling on Section 46(4) of CrPC

- **Non-Mandatory Nature of the Provision**
 - The Court observed that Section 46(4) of CrPC does not specify consequences for non-compliance, indicating that it is directory, not mandatory.

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- **Public Duty of Police Officers**
 - Arresting officers perform a public duty, and strict adherence to procedure should not hinder law enforcement.
- **Practical Challenges in Heinous Cases**
 - In cases of serious crimes committed by women at night, immediate arrest may be necessary, especially if a magistrate is unavailable.
 - Delayed action could lead to the accused escaping, which may compromise public interest.

Supreme Court's View on Arresting Women at Night

- Earlier, the Nagpur Bench of the Bombay High Court directed that no woman should be detained without a lady constable and never after sunset or before sunrise.
- The Supreme Court noted that strict adherence to this rule might cause practical difficulties in certain situations.

Impact of the Madras HC Ruling

- **Provision is Directory, Not Mandatory**
 - The Court clarified that Section 46(4) of CrPC/43(5) of BNSS is directory, meaning non-compliance does not automatically make an arrest illegal.
- **Obligation to Justify Non-Compliance**
 - While failure to follow the provision does not invalidate an arrest, the arresting officer must provide a valid explanation for not complying with the safeguards.
- **Need for Clear Guidelines**
 - The Court directed police authorities to issue guidelines defining what constitutes “exceptional circumstances” to ensure the provision is not misused or ignored.



TRIBAL COOPERATIVE MARKETING DEVELOPMENT FEDERATION OF INDIA LIMITED (TRIFED)

- It is an organization under the **Ministry of Tribal Affairs**, Government of India, dedicated to the socio-economic development of tribal communities.



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- It was established in 1987 under the Multi-State Cooperative Societies Act, 1984, by the Government of India as a national-level cooperative body.
- **Mandate:** Bringing about the socio-economic development of the tribals of the country by institutionalizing the trade of Minor Forest Produce (MFP) & Surplus Agricultural Produce (SAP) collected/cultivated by them.

Objectives:

- To act as a **facilitator and service provider** for the tribal community to **uplift production**
- **Provide training** to enhance artistic skills with modern technology to meet the requirements of the global market
- To increase the promotion of tribal art and crafts for a stable livelihood
- To **identify target groups** to monitor and evaluate the process and activities and provide input to the Ministry
- The approach involves **capacity building** of the tribal people through **sensitization, formation of Self Help Groups (SHGs)**, and imparting training to them for undertaking a particular activity, **exploring marketing possibilities** in national as well as international markets, creating opportunities for marketing tribal products on a sustainable basis, and **creating a brand**.

Retail Marketing:

- TRIFED has been doing the retail marketing of tribal products **under the brand name of TRIBES INDIA**.
 - TRIFED promotes and creates a sustainable market through **retail outlets, exhibitions such as Aadishilp, Aadichitra, OCTAVE; international fairs, and e-marketing**.
 - TRIFED has also been **entrusted by the Govt. of India to implement its proposed Minimum Support Price Scheme for Minor Forest Produce**.
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NAKSHA SCHEME TO UPDATE URBAN LAND RECORDS

- NAKSHA is a city survey initiative under the Digital India Land Records Modernization Programme (DILRMP).
- It is being implemented by the **Department of Land Resources (DoLR)**, Ministry of Rural Development.
- **Scope and Implementation**
 - Focuses on mapping towns and cities for better land governance.
 - Launched as a pilot project across 152 urban local bodies in 26 states.
 - Applicable to cities with an area < 35 sq km and population < 2 lakhs.
 - The pilot phase will be completed within a year.
- **Expected Benefits**
 - Provides comprehensive digital urban land records.
 - Reduces land disputes and facilitates faster urban planning.
 - Improves property tax collection and simplifies transactions.
 - Enhances access to credit by streamlining ownership records.

How the Survey Will Be Conducted

- **Use of Drone Technology**
 - Aerial photography using two types of cameras:
 - Simple cameras.
 - Oblique angle cameras (5 cameras with LiDAR sensors).
 - Mounted on drones with 5 cm resolution, much sharper than satellite imagery.
- **Three-Stage Survey Process**
 - **Drone Survey & Data Collection**
 - Select survey area and create a flight plan.
 - Drones capture images, from which data is extracted.
 - **Field Survey & Data Verification**
 - Ground verification of property tax, ownership, and registration records.

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- 2D/3D models are created, and draft land ownership details are published.
- **Public Review & Finalization**
 - Claims and objections are reviewed.
 - Grievance redressal is conducted.
 - Final maps are published.

Conclusion

NAKSHA aims to modernize urban land records, making them accurate, transparent, and efficient for governance and development.

KAZIRANGA NATIONAL PARK



- Kaziranga National Park lies partly in Golaghat District and partly in Nagaon District of Assam. It is the single largest undisturbed and representative area in the Brahmaputra Valley floodplain.
 - In 1985, the park was **declared a World Heritage Site by UNESCO**.
 - **Terrain:** It is of sheer forest, tall elephant grass, rugged reeds, marshes, and shallow pools.
 - **Rivers:** The River **Difalu**, a tributary of the Brahmaputra, flows through the National Park while another tributary, **Moradifalu**, flows along its southern boundary.
 - **Flora:** It is primarily famous for its dense and **tall elephant grasses** intermixed with small swamplands. It also includes an abundant cover of water lilies, water hyacinths and lotus.
 - **Fauna:** Many endangered and threatened species like Rhino, Tiger, Eastern swamp deer, Elephant, Buffalo, Hoolock gibbon, Capped langur and Gangetic River dolphin are commonly found in the habitat.
 - It is inhabited by the world's largest population of **one-horned rhinoceroses**, as well as many mammals.
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