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## India

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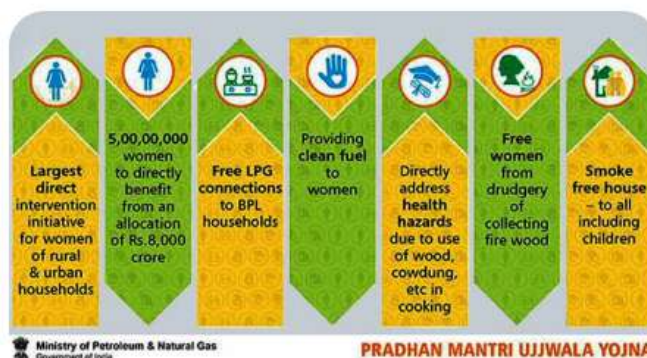
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### EXPANSION OF UJJWALA YOJANA

- Approved the **extension of Pradhan Mantri Ujjwala Yojana (PMUY) for release of 75 lakh LPG connections over three years from Financial Year 2023-24 to 2025-26.**
- **Ujjwala 2.0**, the first refill and stove will also be provided free of cost to Ujjwala beneficiaries. Aims to Women's ease of living through **clean cooking**

#### Background

- According to the **World Health Organization (WHO)**, approximately **2.4 billion people worldwide (which is around one-third of the global population)**, rely on open fires or inefficient stoves fuelled by kerosene, biomass (such as wood, animal dung, and crop waste), and coal for cooking.
- This leads to **harmful household air pollution, contributing to an estimated 3.2 million deaths annually in 2020**
- A heightened mortality risk due to illnesses such as pneumonia, lung cancer
- Non-renewable wood fuels for cooking cause **58 % of black carbon emissions.**



#### Benefits

- The PMUY scheme has **empowered women economically and socially.**
- With **easier access to LPG**, women are no longer burdened with the task of **collecting firewood or other traditional fuels.**
- Ujjwala scheme has contributed **to enhancing the safety and security of women.**

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## CABINET APPROVES E-COURTS PHASE III FOR 4 YEARS

- Union Cabinet has approved the e-Courts Project Phase III as a **Central Sector Scheme** spanning **four years** (2023 onwards)
- Central Sector Scheme are the with **100% funded by the Central Government.**
- E-Courts Mission Mode Project is the prime mover for **improving access to justice using technology.**
- AIMS -To provide ease of justice by moving towards **digital, online** and **paperless courts** through digitization of the entire court with **e-Sewa Kendras.**



### SIGNIFICANCE

1. Citizens who do not have **access to technology** can access **the judicial** services from **e Sewa Kendras.**
2. It enables processes to become more **environmental friendly** by **minimizing paper-based** filings and reducing the physical movement of documents.
3. **Reducing costs** associated with court proceedings, such as travel expenses for witnesses, judges, and other stakeholders.
4. Payment of court fees, fines and penalties from anywhere, anytime.
5. **Reducing the time and effort** required to file documents. Thereby **minimizing human errors** as documents are automatically checked.
6. Emphasis on automated delivery of court summons by further expanding the NSTEP (National Serving and Tracking of Electronic Processes), hence drastically **reducing the delays in trials.**

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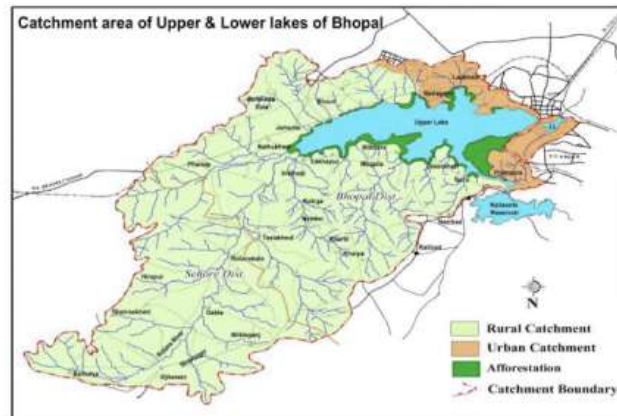
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## BHOJ WETLAND



- **Wetlands** are the areas where **Water covers the soil**, or is present either at or near the **surface of the soil all year** or for varying periods of time during the year, including during the growing season.
- Wetland provide a wide range of important resources and ecosystem services such as food ,water, fiber, groundwater recharge, water purification, flood moderation, erosion control, and climate regulation.
- **National Green Tribunal** has banned the operation of cruise boats in **Upper Lake in Bhopal** and other wetland site. It further banned construction within "**no development zone**" i.e. "**buffer zone**" as provided in **Wetland Rules, 2017**.
- **Bhoj Wetland** (Bhopal, Madhya Pradesh) was designated as a **Ramsar site in 2002**. It has **two man-made reservoirs** i.e. **Upper lake** (Bhojtal) and **Lower Lake** or Chhota Talaab.
- **Upper Lake** is an important source of **drinking water for city**. Upper lake is **rich in biodiversity**, particularly **resident** and **migratory birds, macrophytes, phytoplankton, zooplankton, etc.**

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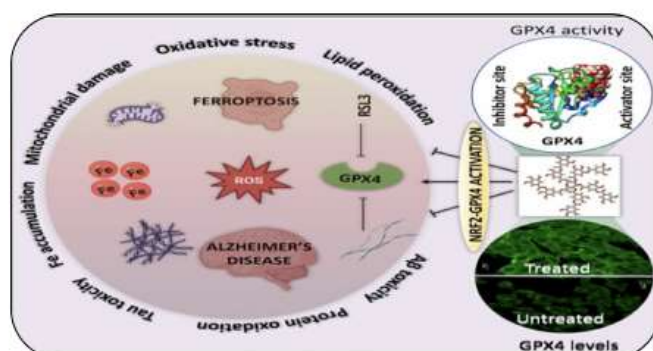
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### TREATMENT FOR ALZHEIMER'S DISEASE FOUND IN NATURAL POLYPHENOL

- **Department of Science and Technology (DST)** have found that highly naturally occurring plant-based polyphenols (PPs) like tannic acid found in twigs of trees like Chestnut and Oak can modulate the Ferroptosis-AD axis to yield a safe, cost-effective strategy for combating Alzheimer's disease (AD).

#### Alzheimer Disease

- It is a **neurological disorder** which causes brain cells to degenerate and die. This leads to **loss of memory**, problems with words in speaking or writing, poor judgment, changes in mood and personality, confusion with time or place, etc. At the first stage, these symptoms are mild but they become more severe with time.
- Alzheimer's is the **most common cause of dementia** among older adults.
- Alzheimer's disease is thought to be caused by the **abnormal build-up of proteins in and around brain cells.**
- **protein** is called **tau**
- Alzheimer's is an **incurable disease**, as the death of **brain cells cannot be reversed.**



#### Treatment:

There is currently no known cure for Alzheimer's disease.

Treatment addresses several areas:

Helping people maintain brain health.

Managing behavioural symptoms.

Slowing or delaying symptoms of the disease.

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## Science & Tech

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### STRENGTHEN ONE HEALTH APPROACH FOR PANDEMIC PREPAREDNESS

Department of Animal Husbandry & Dairying in partnership with WDAH organized a multi-sectoral workshop "Risk-based management of spill over events in wildlife in India" at Hyderabad.

#### About

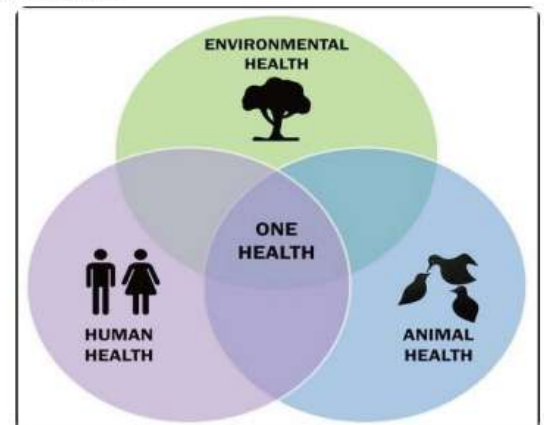
- The Action plan developed through a participatory process, **provided a set of activities that aim to strengthen collaboration, communication, capacity building and coordination equally across all sectors responsible for addressing health concerns at the human-animal-plant-environment interface.**
- The plan is **valid from 2022-2026** and is aimed at **mitigating the health challenges at global, regional, and country levels.**

#### Focus Areas of the Action Plan

- One Health capacity for health systems
- Emerging and re-emerging zoonotic epidemics Endemic zoonotic
- Neglected tropical and vector-borne diseases
- Antimicrobial resistance and the environment
- Food safety risks

#### wayforward

- Emphasizing the importance of a One Health approach
- Cross-sectoral collaboration
- Pandemic preparedness.
- One Health approach to ensure a safer and more sustainable future for wildlife, ecosystems, Human and domestic animal health.



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## Science & Tech

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### CYBERCRIME INVESTIGATION TOOL DEVELOPED CAN TRACK CYBER ATTACKS TARGETING HUMANS



- New cybercrime investigation tool would soon be able to track cyberattacks targeting humans, like **insurance fraud**, online **matrimonial fraud** and so on.
- It's under the **Ministry of Science & Technology**
- The tool called **TTPs** (Tactics, Techniques and Procedures).
- Cybercrime investigation framework can **help in tracking** and **classifying cybercrimes** identifying chain of evidences required to **solve the case** and in **mapping evidences** onto the framework to convict criminals.
- **IIT Kanpur** introduces a cutting-edge framework **to track** and classify **human-focused cybercrimes**.
- The framework addresses the gap in cyber literacy among victims, aiding investigators in solving cases.
- The **new tool** is set for deployment with **police forces**, promising quicker and more precise convictions.
- It can also compare **modus operandi** (Mode of Operation) used in different crimes and manage user roles and track activity for crime paths

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