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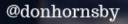
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A good plan implemented today is better than a perfect plan implemented tomorrow.

George Patton







Bengal Governor calls off Cooch Behar visit NEWS » PAGE 4



India must invest more in education, says IMF BUSINESS » PAGE 12

Targeting terrorists outside the border Is it justified? What are the laws? N > PAGE 9

ING CONTEST Mumbai pips Punjab in a humdinger SPORT » PAGE 16

INSIDE



Voting will be held for all 39 Lok Sabha seats in T.N. as well as several in Rajasthan, U.P., M.P.

Sreeparna Chakrabarty. NEW DELHI

wer 16 crore voters will exercise their franchise on Fri-day as the 2024 general election, the world's big-gest exercise in democra-cy, kicks off with 102 Lok

Sabha constituencies going to the polls in the first

While the BIP-led Na-

While the BP-led Na-tional Democratic Alliance (NDA) is looking for a third straight term in office, after successes in the 2014 and 2019 elections, the Opposi-tion Indian National Deve-lopmental, Inclusive Al-liance (INDIA) is hoping to step the ruling alliance in

The BJP is seeking a vote

The BJP is Seeking a vote for a Viksit Bharat (deve-loped India) by highlight-ing its IO-year rule under Prime Minister Narendra Modi, while the campaign of the Congress – the lar-

gest party in the INDIA

high in Nestlé

sold in India

American countries, have

Bindu Shajan Perappa NEW DELHI

baby food

its tracks.

bloc - has revolved around

highest number of consti-

In the Inner Manipur seat, polling will be held on Fri-day as well as on April 26, during the second phase.

'Sugar content | Scare in Indonesia

Polling will also be held

Rahul asks why **Pinarayi** has not faced any action

KANNUR Congress leader Rahul Gandhi expressed astonishment at Central agencies for allegedly targeting him while ignoring targeting him while ignoring "serious allegations" against Kerala Chief Minister Pinarayi Vijayan. He also highlighted t "imprisonment of two Chief "imprisonment or own Ministers". » PAGE 3



Vice-Admiral Tripathi to be next Navy chief

NEW DELHI

Vice-Admiral Dinesh Kumar Tripathi has been appointe the next Chief of the Naval + Staff. He is currently the Vice-Chief of the Navy and will take over or superannuation of the curren Chief, Admiral R. Hari Kumar on April 30. » PAGE 4



higher sugar content, in comparison to the same products sold in European Ukraine military says it hit Russian airfield in Crimea

products sold in European markets, according to a re-port released recently by a Source of the Food Safety and Standards Authority of India, which establishes standards to ensure food safety, said it is looking into the report. KYIV A Ukrainian attack on a military airfield in Russian-occupied Crimea seriously damaged four missile launchers Ukraine's military spy agency said on Thursday. It added that the number of aircraft damaged or destroyed was being clarified. » PAGE 14

Kallol Bhattacherjee



Prasada. Dravida Munne-tra Kazhagam's A. Raja, Dayanidhi Maran and K. multaneously. High-profile faces Kanimozhi, and Gaurav Some of the high-profile BJP candidates whose fates Gogoi of the Congress are other heavyweights in the frav. would be sealed on Friday are Union Ministers Nitin The counting of votes

8.23 crore female and 11,371 third-gender elec-tors, would exercise their franchise on Friday. Around 35.67 lakh first-time voters are registered to cast their votes. Over 14.14 lakh voters



Impossible to tamper with EVMs at 'any stage', EC says in SC

The Election Commission (EC) on Thursday said it is impossible to tamper with electronic voting machines electronic voting machines (EVMs) "at any stage" even as the Supreme Court re-served its judgment on pleas that 97 crore regis-tered voters in the country tered voters in the country have a right to a more tran-sparent electoral system, with or without EVMs. The assurance from the top poll body that EVMs were "perfect" came on the eve of the first phase of Lok Sabha election. A Bench of Justices San-jiv Khamna and Dipankar Data chided petitioners,

NEW DELHI The EC has told the Supreme

VVPAT paper slips were matched till date. There was not a single instance of mismatch.

The two days of marath-on hearing saw ideas rang-ing from returning to pap-er ballots to bar codes for individual candidates and having more translucent peopholes on Voter Verifia-ble Paper Audit Trail (VVPATs) swirl through in the courtroom. Advocate Pronaut Bhushan Med Proparties and States and States Propagation and States and States and States Propagation and States and States Propagation and States and States and States Propagation and States and States and States Propagation and States and States and States and States Propagation and States and States and States and States Propagation and States and States and States and States Propagation and States and States and States and States Propagation and States and States and States and States Propagation and States and States and States and States Propagation and States and S and advocate coparisation ranarayanan, appearing for petitioners, highlighted the fundamental right of the voter to confirm that her vote has been cast right. The court was hearing

ery step. The process can-not be expedited or hur-ried," it said. petitions seeking cross-ver-ification of 100% EVM votes with VVPAT paper The EC said that both electors and machines votes with VVPAT paper slips. Currently, cross-veri-fication of EVM-VVPAT happens only in five ran-domly selected polling booths in a constituency. The EC said there have ben 41,629 instances dil date. Over four crore have increased from 2019 to 2024. The EC explained that EVMs are constituted of ballot units, control un-its and VVPNTs. All units are sealed in the presence of candidates or their agents and stored in strong rooms for a period of 45 days. have increased from 2019

6

ADX

age and 13.89 lakh voters with disabilities have been provided the option to vote thusiastically participate in this "festival of democra-Webcasting will be done from the comfort of their in more than 50% of the polling stations along with Final preparations The Election Commission (EC) said that 1.87 lakh polldeployment of micro-observers in all polling sta-tions. A total of 361 obsering stations have been set vers have already reached up and 41 helicopters, 84 special trains, and nearly 1 lakh vehicles have been detheir constituencies before the election. Besides, 4,627 the election. Besides, 4,627 Flying Squads, 5,208 Sta-tistics Surveillance Teams, 2,028 Video Surveillance Teams and 1,255 Video Viewing Teams are en-mend in surveillance likh vehicles have been de-ployed to ferry polling and security personnel. Woting will begin at 7 a.m. and end at 6 p.m., dimings differs in some seats, the EC said. Chief Election Commissioners Opr Singh Sandh are visued of singh Sandh are visued det com perparations at a gaged in surveillance round the clock to strictly and swiftly deal with any form of inducement of

ho are above 85 years of first-time electors, to en-

NDA looks for a third straight term, while INDIA

bloc is hoping to upstage the ruling alliance

voters. Around 1,374 inter-State and 162 International Bor-der check-posts are keep-ing strict vigil on any illicit flow of liquor, drugs, cash and freehies

MORE REPORTS * PAGES 2.3.4.4 5



EVMs being taken to polling booths in Vellore, Tamil Nade

Reports of EVM

error false: EC

Court that statements that four, EVMs erroneously logged in votes in favour of the BJP during mock polls held in Kerala were false. » PAGE 3 including the Association for Democratic Reforms, that "it was not good to be

over-suspicious about everything". The two days of marath-

Huge effort The EC said it would take a whole hour to manually count the VVPAT slips of a single polling station. "On an average, 1,000 VVPAT slips are required to be counted per polling sta-temerial nature of the name special nature of the paper make the slips sticky. Ma-nual counting of VVPAT slips is cumbersome at ev-



One of the 17 Indian sailors aboard the Portugal-flagged MSC Aries that was detained by the Iranian authorities last weekend has returned home in Ker-nala, the Ministry of Exter-nal Affairs (MEA) has an-nounced Ann Tessa nounced. Ann Tessa Joseph, a resident of Thris-sur, was welcomed at the

Cochin International Air-port by government offi-cials when she arrived from Iran on Thursday bassy in Tehran and the Indian citizens are in very good condition. They ha-"The Indian Mission in Tehran remains seized of

wen't been able to come to the beach yet due to the bad weather and stormy sea. They are free and can the matter and is in touch with the remaining 16 In-dian crew members of the container vessel. The crew container vessel. The crew members are in good health and in contact with their family members in In-dia," said the MEA in a press release saying that it leave Iran whenever they like." On April 13, the ship was seized by Iran's Revolu-tionary Guards who rap-



Ann Tessa Joseph, a deck cadet who was onboard the seized vessel on her arrival at the Kochi airport in Nedumbassery on Thursday, PTI

pelled down from a heli-Iranian Revolutionary Guards corps as a terrorist organisation and to sanc-tion Iran now". As a result, sources said the return of the other 16 Indians is more complex. The ship has been im-pounded, and the crew would need a second ship Iranian Revolutionary

-

pelled down from a heli-copter on the ship and steered it towards an Ira-nian base. Israel's Foreign Minister Israel Katz had de-scribed the move as a "pi-rate operation" saying, "I call on the European Un-ion and the free world to immediately declare the

-



to their families in India The MEA swung into ac-tion after news spread that at least 17 Indian sailors

were among the crew of the MSC Aries. The MEA the MSC Arries. The MEA had started the dialogue with the Iranian authori-ties through the Indian em-bassy in Tehran as well as the Iranian embassy here to free the Indian members of the creek. Soon thereas ter, Mc Jalahandr rethered ter, Mc Jalahandr rethered out to his counterpart Hos-

1

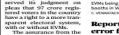
sein Amir-Abdollahian and sein Amir-Abdollahian and sought Tehran's assistance in ensuring the early re-lease of the Indian crew members. Interception of the MSC Aries added to the tension between Iran and Israel that subsequently led to missile attack by Iran on

missile attack by Iran on multiple targets in Israel. By capturing the ship from the Strait of Hormuz, Iran had hinted that it had the military might to dis-rupt maritime traffic

through the strategically important route in case of any further escalation in tension between Tehran and Tel Aviv. The incident and Tel Aviv. The incident is also an escalation to the ongoing Red Sea crisis. Since the beginning of the Israeli offensive *MEDIATORY ROLE WELCOME*

....

Krishnadas Rajagopal NEW DELHI





Vice-Admiral Tripathi to be next Navy chief

NEW DELHI

Vice-Admiral Dinesh Kumar Tripathi has been appointed the next Chief of the Naval Staff. He is currently the Vice-Chief of the Navy and will take over on superannuation of the current Chief, Admiral R. Hari Kumar on April 30. **PAGE 4**

Scare in Indonesia



Lava and smoke erupt from Indonesia's Mount Ruang on Wednesday, forcing evacuation of thousands of people. AFP (REPORT ON PAGE 14)

Labourer who threw stone at Jagan booked for attempt to murder

The Hindu Bureau

Friday, April 19, 2024

The NTR Commissionerate police on Thursday arrest-ed a daily wage labourer who allegedly hurled a stone at Andhra Pradesh Chief Minister Y.S. Jagan

Mohan Reddy. The police are trying to find out whether any other person was involved in the incident

A resident of Vaddera Colony, the labourer, Vem-ula Satish, hurled the stone ula Safish, hurled the stone at the Chief Minister while he was participating in a "Memartha Siddham" elec-trong and the state of the Name of the Siddham and the Name of the Siddham and the Mr. Reddy and former Minister and MLA Vellam-pall Srinivas suffered inju-ries in the attack. The Chief bleeding injury on bis fore-

edly malfunctioned in the mock polls held in Kasara-god district of Kerala on bleeding injury on his fore-head after the incident. Both he and Mr. Srinivas April 17. The Bench had asked senior advocate Maninder underwent treatment a Government General Hos pital, Vijayawada, on the Rahul asks why no action taken against Pinarayi

ame night. Based on the complaint lodged by the MLA, the gistered a case under Sec-tion 307 of the IPC (ar-tempt to murder) and took up the investigation. the investigation. the case, zeroed in on Sat-sh and arrested him. arcacked the Chief Minister has been arrested. We will

Congress leader Rahul Gandhi has expressed as-tonishment at the BJP and Central agencies for alleg-edly targeting him while ig-norms, "serious allega-norms," serious allega-norms, "serious allega-norms, "serious allega-norms, and the series of the meeting organised by the un Kannur as part of the

has been arrested. We will produce him in court. We are trying to find out the motive behind the attack." the police said.



Seek answers: The NGT directed the Tamil Nadu Pollution Control Board, the Water Resources Department, and the Environment and Climate Change Secretary to file rep

NGT shows concern over chemicals in Chennai waterbodies

The Hindu Bureau

cancer. According to the study, groundwater near the Pe-rungudi dumpyard con-tained 2.72 nanogram per litre (ng/L) of perfluoro oc-tane sulfonic acid (PFOS), significantly exceeding the EPA's safe level of 0.02ne/L. Interestinely. it The Southern Bench of the National Green Tribunal (NGT) has expressed con-cerns about the presence of "forever chemicals" in the waterbodies in 0.02ng/L. Interestingly, i was observed that the con centration of all eight tar Chennai.

Taking suo motu cogni-sance of the chemical contamination of the Bucking-ham canal, Adyar river, get PFAS increased in the treated water of the water and Chembarambakkam treatment plant when and Chembarambakkam lake based on news reports about a study carried out by the Indian Institute of Technology - Madras, the bench noted the presence of polyfluoroalkyl subcompared to raw water. Advanced treatment The study called for an advanced polishing treat-ment system that can reces (PFAS) - synthetic move PEAS from water as stances (PFAS) – synthetic chemicals that do not de-grade in the environment – in surface level waters, groundwater, and even treated water near the loke.

Adverse health effects PFAS are known to cause adverse health effects such as liver damage, hormonal imbalance, immune sys-

as liver damage, hormonal imbalance, immune sys-tem issues, and even to file reports on the issue. SM (



SC Bench says petitioners have gone solely by media reports and have not verified the issue personally; Kerala Chief Electoral Officer says misunderstanding was caused by an additional slip released by VVPAT machine during the mock poll

THE HINDU

States

The Hindu Bureau NEW DELHI

The Hindu Bureau

Kannur as part of the



Clearing the air: Election officials checking the electronic voting

Lok Sabha election cam-paign on Thursday, Mr. Gandhi recounted his own

Gandhi recounted his own experiences of facing back-lash for opposing the BJP, including "being subjected to media abuse, losing his Lok Schba memberchin

to media abuse, losing his Lok Sabha membership, enduring 55 hours of inter-rogation by the ED, and be-ing evicted from his official metidemon³

Mr. Vijavan has not faced

Sandeen Vellaran

sidence." Mr. Gandhi asked why

ences des

Singh, appearing for the EC, to "check it up". When the court re-as-sembled at 2 p.m., a senior EC official, Nitesh Kumar Vyas, informed the court that the "news reports were false". "We have verified the althat they are false. We will that they are false. We will submit a detailed report to the court," he submitted. Senior advocate Gopal Sankaramarayanan, ap-pearing for another peti-tioner, Arun Kumar Agar yair adubhey had merey "We have verified the al-legation from the District Collector and it appears alerted the court to the me-dia reports. Their inten-tions were not adversarial.

ware could be uploaded Justice Khanna said the petitioners had gone solely by the media reports and had not verified the issue favouring the registration of votes in favour of a par ty, possibly the ruling one. Meanwhile, Chief Elec personally. The Bench is hearing toral Officer (Kerala) Sania petitions seeking 100% cross-verification of EVM Kaul has termed baseless the complaint that EVMs votes with Voter Verifiable had registered extra vote Paper Audit Trail (VVPAT) for the BIP. According to Paper Audit Trail (VVPAT) slips. The petitioners, in-cluding Association for De-mocratic Reforms, have urged the court to allow voters physical access to

for the BJP. According to him, the "misunderstand-ing" was caused by an ad-ditional silp released by the VVPAT machine during the ger than the normal VVPAT slips and is used for an in-tial inspection ahead of the mock poll, he said. The VVPAT slip that was not peramination had been re-leased during the mock voters physical access to the VVPAT slips to confirm the votes they have cast be-fore putting the slips into the sealed ballot boxes. They have contended that the voters have a funda-mental right to be confi-dent obset the accuracy of dent about the accuracy of the votes they have cast. The petitioners have voiced their apprehen-sions that EVMs could mal-function or malicious softleased during the mock poll. It had 'Not to be counted' mentioned on it, in addition to 'Standardisa-tion done' and VVPAT se-rial number.

judiciary, investigative agencies such as the EE and the CBI in "safeguard



3

Over 21,000 birds to be culled in Alappuzha today

The Animal Husbandry Department will carry out bird culling operations in the avian flu-hit regions of Kuttanad in Kerala on Friday, Around 21,000 ducks will be culled at Edathua and Cheruthana, the bird flu hotspots, Besides, all domesticated birds within a 1-km radius of the domesticated birds within a 1-km radius of the hotspots will be culled. "The Centre has notifie the outbreak of disease. We have constituted 8 rapid response teams to cull birds," said Sajeev Kumar K.R., District Animal Husbandry Officer

Karnataka High Court stays FIR against B.Y. Raghavendra

The Karnataka High Court has stayed a FIR registered against B.Y. Raghavendra, the BJP candidate contesting from the Shivamogga Lok candidate contesting from the Shivamogga Lok Sabha constituency, for allegedly creating emnity through his speech and misuaing a religious mode code of conduct. Justice Krishma S. Disti passed the interim order on a petition filed by Mr. Raghavendra, who has questioned the legality of the FIR registered on a complaint by an official attached to an election flying squad.

IMD warns of isolated heavy rain in 3 Kerala districts today

North Kerala is likely to receive a respite from the summer heat on Friday with rain clouds looming over some parts of the State. The India Meteorological department (IMD) has issued a yellow alert warning of isolated heavy rain in Kozhikode, Kannur and Wayanad districts on Friday. . Rain within the range of 64.5 mm to 115.5 mm is likely in a span of 24 hours in these districts

Polling team treks five hours in deep BJP will get just above forest in Idukki to record a home vote 10 seats in South India in LS polls: Revanth alingam then cast his vote with the assistance of his

The Hindu Bureau HYDERABAD

Bengaluru's KIA named best

with the assistance of his grandson. Officials said the special team was led by Munnar Engineering College assis-tant professor Jisha Merin Jose. Other members were Munnar Vocational Higher Munnar Vocational Higher Schutzer School Dession-al Eorest Office clerk a V al Forest Office clerk A.V. Decimol; Edamalakkudy village officer Syam G. Nath; beat forest officers Abhishek K.S. and Shibin-das C.L.; civil police officer Anish Kumar K.R.; forest protection watchers K. Ra man, Sivasenan; and booth-level officer

Jayakumar. Mr. Jayakrishnan said the special team would be honoured soon for the ef-fort put in by them. Involution

hoped the INDIA bloc will win all the 20 seats. Mr. Reddy expressed these views while cam-port of the United Demo-cratic Front (UDF) headed by the Congress. Prime Mi-niter to reveal the funds Accusing the BJP of meting out a stepmoth India, Telan-ment to South India, Telan-vanth Reddy said it will get similar treatment from the people in the Lok Sabha election with the BJP get in the Reddy was conf-dent that INDIA bloc will win at least IS seats out of win at least IS seats out of em States, and the BP and nister to reveal the funds allocated to southern States in his 10-year rule. The BJP government reern States, and the BJP and its allies have to be satisfied with the remaining seats

members southern States only during the election, he said. Mr. Reddy said Kerala can boast of sending the country's next Prime Miwith the remaining seats. In Telangana, the Congress will win a minimum of 12 seats, and there is hardly any space left for the BJP, he said. In Kerala, he country's next Prime Mi-nister as Mr. Rahul Gandhi would win with a huge ma-jority given the tremen-dous support he was re-ceiving across the country.



Wild tusker 'Karadi' captured with help of tamed elephants

The Hindu Bureau

The Karnataka Forest De-partment officials, with the help of a team of eight tamed elephants, capt wild tusker, which had een causing trouble to lo cal people on a coffee es-tate at Vatehalli in Belur taluk of Hassan district on

luk of Hassan district on Thursday, f guards and A team racked the ani-mal, identified by the lo-cals as 'Karadi', and sedat-ed it with tranquillizer, of a sum of the second second and the second second second and second second second second second second and second second second second second second second and second second second second second second second and second second second second second second second second and second second second second second second second second and second second second second second second second second and second s 44 The tusker captured by Forest Department officials on Thursday. bourer at Mattavara in Be-

bourer at Mattavara in Be-hur taluk on January 4. Tamed elephants Abhi-manyu, Karnataka Bhima, Harsha, Prashantha, Su-greeva, Dhananjaya, Ash-wathama and Mahindra were involved in the exer-cise. The officials said the tuakker would be shifted to



The Kempegowda Interna-tional Airport (KIA) has been awarded the best regional airport in India and South Asia at the 2024 Skytrax World Airport Awards Bangalore International Airport Limited (BIAL), the airport operator, said that this accolade is based on a comprehensive customer

comprehensive customer satisfaction survey. KIA's Terminal 2 also se-cured second position as the World's Best New Air-port Terminal for termi-nals opened in the 18 world Airport Awards. World Airport Awards. the Dubare elephan the Dubare elephant camp. The operation to cap-ture a few other rogue ele-phants would continue in Hassan district. The de-partment has solepht the solet the solephic the partment has solephic the partment part of the solephic sole of the partment of the solephic sole of the partment of the solephic sole of the partment of the sole of the sole of the partment of the sole of the sole of the partment of the sole of the sole of the sole of the partment of the sole of th

award covers new airport terminals that have :::



opened in the previous 18 months, and covers the full range of airport facilities, staff services and customer experience evaluation. Since opening in 2023, Terminal 2 has also recertification, and more, it said.

ceived a UNESCO Prix Ve sailles World's Most Beauti-ful Airport award along with a Special Prize for its interiors, LEED platinum

To record a single home vote, a special polling team, including three wo-men officials, has trekked 18 kilometres inside the deep forest under the Iduk-ki Lok Sabha constituency in Kerala. The team trakked to the The team trekked to the Nooradi tribal settlement under the Munnar forest division on Wednesday as part of the vote-from-home exercise meant for senior citizens aged above 85 and

Each vote counts: A special polling team on its way to a tribal ent in Edamalakkudy in Idukki dist

differently abled voters. Sivalingam, a 92-year-old bedridden man in the nanchavat in the State. old bedridden man in the Nooradi settlement, had filed an application for home voting, said Deviku-lam Subcollector V.M. an. Nooradi is a

remote settlement in Edathe last point accessible to the last point accessible to vehicles, around 8 a.m. They began trekking around 8 a.m. and, after a five-hour journey, reached Slvalingam's house around L15 p.m. and set up a vot-ing compartment. Mr. Sivmalakkudy, the first tribal panchayat in the state. Officials said the special team travelled from Mun-nar to Edamalakkudy by jeep in the morning. The team reached Keppakkad,

from other States, con-trasting it with Mr. Vi-jayan's immunity. Mr. Gandhi suggested that while he has been vit Mr. Vijayan seems to be "untouched" by Central agencies, despite his claims of fighting an ideo-logical battle against the tance of Constitutional in-stitutions such as the Elecand the CBI in "safeguard ing democracy", Mr. Gand-hi accused the BJP of wea-ponising these institutions for political gains. He criticised the BJP's attempts to impose "a cin 100 attempts to impose "a sin-gular history, language, and ideology on the di verse nation of India," which, he argued, under pite corruption allegations and other issues. He highlighted the "imprisonment of two Chief Ministers" stitutions such as the Elecmines its essence and tion Comr

Bengaluru's KIA named best regional airport in South Asia

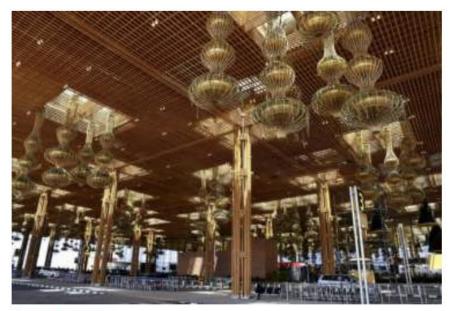
The Hindu Bureau **BENGALURU**

The Kempegowda International Airport (KIA) has been awarded the best regional airport in India and South Asia at the 2024 Skytrax World Airport Awards.

Bangalore International Airport Limited (BIAL), the airport operator, said that this accolade is based on a comprehensive customer satisfaction survey.

KIA's Terminal 2 also secured second position as the World's Best New Airport Terminal for terminals opened in the 18 months prior to the 2024 World Airport Awards.

BIAL said that this award covers new airport terminals that have



Feast for eyes: The Terminal 2 of Bengaluru's Kempegowda International Airport. FILE PHOTO

opened in the previous 18 months, and covers the full range of airport facilities, staff services and customer experience evaluation.

Since opening in 2023, Terminal 2 has also received a UNESCO Prix Versailles World's Most Beautiful Airport award along with a Special Prize for its interiors, LEED platinum certification, and more, it said.



6



Indigenously built cruise missile successfully tested

The Defence Research and Development Organisation (DRDO) conducted a successfu flight test of a "long range subsonic indigenously developed cruise missile" from the Integrated Test Range (ITR) in Chandipur off the coast of Test Runge (TR) in Chandipur off the cost of Odisha, the DRDO announced on Thursday. "The available the DRDO announced on Thursday." available the the the the the the the the the sea-skimming flight. During the test, all subsystems performed as per expectation," the subsystems are the the the the the the the the subscience of the missile were not mentioned but the missile looked a lot similar to the Nirbhay subscinct ruise missile.

ED attaches properties worth ₹98 crore of Raj Kundra

The Enforcement Directorate (ED), Mumbai The Enforcement Directorate (ED), Mumbai Zonal Office has provisionally attached immoveable and moveable properties worth 697.79 cross belonging to Ripu Sudan Kundra, directore and the second second second second the Prevention of Money Laundering Act (PMLA), 2002. The attached properties include a residential flat in Juhu in the name of his wife, actor Shilpa Shetty, a bung flow in Pune and equity shares in the name of Raj Kundra. The ED Information Beroorts newfistered aeainst Variable Information Reports registered against Variable Tech Pte Ltd, the late Amit Bhardwaj, Ajay Bhardwai, Vivek Bhardwai, Simov Bha rdwai. Mahender Bhardwaj and a number of MLM agents, an ED media statement said on Thu ment said on Thursday

Srinagar likely to be tagged as World Craft City from India

The World Crafts Council International (WCCI), a Ruwait-based organisation working on recognition and preservation of traditional crafts has picked Srinagar for mapping its craft clusters before its final nomination as the World Craft City (WCC) from India this year. A three-member team of the WCCI is in the city to inspect craft clusters, processes insulated and the city to inspect the team. clusters, processes involved, and the status of artisans. The final announcement about the city's inclusion is likely in the next two months. "The craft work we witnessed so far in Srinagar is flawless. The world needs to know about it," a WCCI member, told The Hindu.

WHO defines pathogens that transmit through air

Pathogens that transmit through the air will be described by the term 'infectious respiratory particles' or IRPs, according to the World Health Organization (WHO). The world health body has thus ended the lack of a common terminology to describe the transmission of these pathoger describe the transmission of these paintogens, and the second second second second second second global COVID-19 pandemic. The announcement on Thursday came following wide ranging consultations across multiple steps in 3021-2022, in public communication and efforts to curb the transmission of the pathogen, "the WHO noted.



Mostly, muscles tend to repair with emplicents (10)

- Prohibits graduates to skirt rule (4) Corruption in election, university to bar a dean ultimately (9)
- Use of java, illegal? Not entirely (5) Google and Yahoo can hire designers in a heap after director
- quits (13) 14 Kate is running, catch. (4)

SM (1999)

Activity-based curriculum drawn up for anganwadis

THE HINDU

News

NEP-based framework document says learning begins at birth; staff in 14 lakh anganwadis to be trained and parents encouraged to engage toddlers in activities to reach key milestones



Maitri Porecha

Childhood

lopment, Health and Fami-ly Welfare and Education, the Department of School

Education and Literacy the National Council of

Educational Research and

Training, the Institute of Home Economics, the Un-iversity of Delhi and civil society organisations.

DD News

sports new

saffron logo

before polls

The Hindu Bureau NEW DELHI

Drawing criticism on social media, Doordarshan News has launched a new saf-

fron-coloured logo by an nouncing that it is now available in a refurbished

available in a refurbished avatar. The logo's colour has been changed from ruby ed a changed from ruby bed to have a set of the Lok Sabha polls. "Get ready for a news journey like never before... We have the courage to put: Accuracy over speed Pacts over claims Truth ov-

er sensationalism, Because if it is on DD News, it is the

truth!." the state-run news

channel posted on X. Saffron adorns the top band of the national trico-

lour, while the colour is al-so used predominantly in the ruling BJP's party flag.

Dismissal of evidence... (10)

within 2 years (10)

atch meal beyond 1.(6)

city (9)

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New approach: The new cu

talking, playing, moving, listening to music and sounds, and stimulation of all the senses - particularly sight and touch in order to reach developmental mil-

reach developmental mil-estones across domains, and develop "early lan-guage, and emergent lite-rad as much as 75% of the brain develops in the first three years of a child's life, says Namya Mahajan, a member of the internal Bocket Learning. The na-Continuous learning Titled 'Navchetana', the ac-tivity-based curriculum fol-lows the National Educa-tion Policy, 2020 that calls for a continuum of learn-ing. Staff in 14 lakh angan-wadis will be given training Rocket Learning. The na-tional framework provides detailed information on in the curriculum. The curriculum involves the importance of brain development in the first

The Hindu Bureau

The Manipur Tribals Fo-

rum, Delhi (MTFD) has ap

proached the Supreme Court with an intervening

Court with an intervening application, seeking that the two committees consti-tuted by the court – one headed by former Director General of Police Dattatray Padsalgikar and the other by Justice Gita Mittal (re-tired) – be directed to sup-ply conjess of their reports

ply copies of their reports

interests of the Kuki-Zo pe-ople, has also sought for an order directing the arrest

of Koroungangba Khuman and Pramot Singh, leaders of armed radical Meitei

outfits Arambai Tenggol and Meitei Leepun, respec-tively. It also sought that

them. The MTFD, representing

NEW DELHI

To solve this puzzle online, get across to our crossword site. @ https://grgo.page.link/jjpTu

Certainly betrayer was beheaded and butchered in the recent

Certainly betrayer was beheaded and butcheed in the reco-phon (1) of the context of the second second second second Criminals are working in computer science (4) Considerately US agent withdrew English partner without dissension at island (13) Japanese cartioon cinema shot without opening credits (5) Cold legal claim let loose on leading entrepreneur by customers (4)

customers (9) Skipper moves to the end, close to win (4) Conceptually, sailor's essay's lousy, lacking substance (10)

Dispatch meal beyond 1 (6) Spell at the far end at Brisbane's nasty? Yes, almost (4,3) Newton's old, eighty in heart this evening (7) Assemble in indian state where moming arrives earlier (5) Austin takes storage for grains from Saint Louis (4) One who prohibits colouist (6)

Group of church elders almost urge bishop to add territory

within 2 years (10) 16 Lee & Milton partying with Salve (9) 18 Fussed on nothing, two females engaged heartlessly (6) 19 Core of maize taken by saldors in two companies at Britain (7) 20 Doctor's study? It's shabby leading to tension (7) 22 Struggle to get accommodation, finally not available in capital

(%) Gadget of doctor that is razor-sharp at the end (5) Save broken container (4)

breaks law between Michigan and UK taking two drugs to a US



This involves getting the child's attention, commun-icating with and respond-ing to the child, introduc-ing age and skil appropriate activities for play, and following the child's lead during the activities. It also involves helping the child with a new task, and praising the child for her efforts.

displaced.

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SUDOKU

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The document entails 36 sets of activities for chilcommended for child few months younger.

Plea in SC seeks access to reports on Manipur riots, arrest of 'radical' elements munity after the Lok Sabha the Manipur government be directed to give infor-mation on the progress of investigation into the deaths of over 170 Kuki-Zo elections. "We are coming before this court with folded hands to take the urgent hands to take the urgent measures that are neces-sary which, if happens, sive than the first rounds of attack," they said. They added that they have sent as many as five notes to the committee headed by DCP Padsaig-the information had been people killed in the ethnic The State has been see The State has been see-ing an ethnic conflict bet-ween the valley-based Mei-tei people and the hills-based Scheduled Tribe Kuki-Zo people since May 3 last year. Over 220 people have been killed in the violence since then, thousands more have been

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DIFFICULTY RATING:

the information had been sent to the local police. Despite the notes and thousands more have been injured, and tens of thousands have been internally In the plea filed by the In the plea hled by the MTFD, the petitioners said outfits such as the Arambai Tenggol and the Meitei Leepun were allegedly "preparing for a new on-slaught" on the tribal com-

the time that has passed since, no action seems to have been taken in the cashave been taken in the cas-es of atrocities against Ku-ki-Zo people, the MTFD said, adding that a similar situation prevailed with respect to the rehabilita-tion of the Kuki-Zo victims.

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It encourages the use of household objects such as cups, bottles or leftover pieces of fabric, Activities involve reaching for ob-jects, imitating sounds, the same comparison to the same products sold in European pinning bangles, putting biects in and out of a jar markets, according to a re-port released recently by a and removing knots in a handkerchief in the first Swiss NGO, the Public Eye and International Baby Food Action Network (IB FAND Step by step After a year, the activities include encouraging chil-dren to feed themselves and explore the house, in-volving them in the kitch-en, playing with dough and introducing them to a mirror. Around 150 baby pro-Around ISO baby pro-ducts manufactured by the global food and beverage glant and sold in different countries were tested in a Belgian laboratory, accord-ing to IBFAN. It was found that all IS Correlec repoducts for six-Cerelac products for six-month-old babies, which

Bindu Shajan Perappadan

Nestle's baby food pro-ducts sold in India, as well as in African and Latin American countries, have

higher sugar content, in

mirror. At the age of 18 months, children are encouraged to are sold without any added scribble with a crayon and at 24 months, the recomsugars in the United King-dom and Germany, con-tained 2.7 grams of added mended activities include sugar per serving in India. Products sold in Ethiopia and Thailand contained

mended activities include shoe sorting and matching. By the age of three, chil-dren are introduced to a manuel set of the source of the names and identify colours. The framework says the activities will help identify children with developmen-tion, the anerawall worktion, the anganwadi work-er or parent can adapt by picking up activities reended for children a

en from months 0 to 36

'Nestlé baby food sold in India has higher sugar content'



Friday, April 19, 2024

The Food Safety and Standa Authority of India is looking into the Swire NGO moor

ranisation] and local speci fications [as required] pe taining to the requirements of all nu-trients including added su

gars," it said. The company also ad-ded: "We regularly review our portfolio and continue to innovate and reformu late our products to furth er reduce the level of ad ded sugars, without compromising on nutrition, quality, safety, and

nearly 6 grams, the report

The Food Safety and Standards Authority of In-dia, which regulates the manufacture, storage, dis-tribution, sale, and import of food articles, while also establishing standards to ensure food safety, said that it is looking into the IB-EAN cored FAN report. Arun Gupta from the

Network of India (BPNI) said that children below the age of two should not

be given any additional su-gar or sait in their diet. "This predisposes them to non-communicable diseas-es, the burden of which is growing in India. Our own government surveys have warned of the growing ochildren," he said among children," he said among The WHO has warned to the allegations on Thurs-day, saying that the reduc-tion of added sugars is a priority for the company. Over the last five years, ad-ded sugars have been re-duced by up to 30% in its infant cereal products, the The WHO has warned

that the introduction of ad-ded sugar in baby foods can contribute to the deve-lopment of addictive eat-ing habits and a preference for sweet tastes from an early age.

'Double standards Hepatologist Cyriac Abby Philips, who debunks med-ical misinformation on soical misinformation on so-cial media under the mo-niker The Liver Doc, accused Nestle of "double standards" on X. "Nestle baby food – Ce-relac has global retail sales of above one billion U.S. Compliance is an essential characteristic of Nestle India and we will never comdollars. The highest figures are in low- and middle-income countries, with 40% of sales just in Brazil and India," he said. "Nestle has double stan. dards [a commission esta-blished by WHO and the Food and Agriculture Ordards for the Western mar-ket compared to the Asian market," he added.

FAITH Krishna turns messenger

Human beings are repeatedly born based on their karma or deeds. God is not influenced by karma, but He also takes various births. Lord Krishna declares in Sri Bhagavad Gita that many

births of His have passed (Bahuni mey vyathithani - Chap ter IV eloka 5)

ter IV sloka 5. Vedas also say He takes various births and manifesta-tions (*Ajayamano Bahudha Vijoyathé*). God assigns a valid reason to be born, and the most important is to protect *magent Sadhunam* – Chapter IV sloka 8). Sri Bharathan Swamy said in a discourse that Lord Krishna, transcending His supremacy, donned the role of an emissary on behalf of the Pandavas. To instill confi-tion of the supervise of the bard state of the supervised to the the supervised of the bard state. The supervised to the supervised the supervised the supervised the cole of and least of the monkey legions, crossed the ocean. and least of the monkey legions, crossed the ocean. Lord Krishna, to boost the confidence of the Pandavas,

lowered Himself to the position of a messenger. The word 'Sri' refers to the divine blessings of Goddess Mahalakshmi. It denotes wealth, happiness, prosperity

Mahalakshmi. It denotes wealth, happiness, prosperity, and great deeds. See the set of the set of the set of the set of the set may as she is ever with Him. Instead of 'Sri Krishnan Thoodhu' (Sri Krishna sa ne emissary), which is to be the standard usage, why is it called 'Krishnan Sri Thoodhu'? Anarysa like Manaviga hammurigal and Pillal Lokachuriz 'Anarysa like Manaviga and Pillal Lokachuriz ique and indeed a great one, and hence, it is befitting the title.



Cutting back on sugar Despite World Health Or-ganization (WHO) recom-mendations against added

sugar in foods meant for children under the age of three, Indian regulators do Breastfeeding Promotion

allow a limited amount of aucrose and fructose in ba by food. However, a Nestle India be given any additional su-gar or salt in their diet. spokesperson responded to the allegations on Thurs-

company said. These products are ma-nufactured to ensure the

appropriate delivery of nu-tritional requirements such as protein, carbohy-drates, vitamins, minerals,

and iron for early child-hood, Nestle India said,

hood, Nestle India said. "We never compromise and will never compro-mise on the nutritional quality of our products. We constantly leverage our extensive Global Research and Development network and Development network profile of our products. Compliance is an essential

promise on that. We also ensure that our products manufactured in India are in full and strict compliance with CODEX stan.



Indigenously built cruise missile successfully tested

The Defence Research and Development Organisation (DRDO) conducted a successful flight test of a "long range subsonic indigenously developed cruise missile" from the Integrated Test Range (ITR) in Chandipur off the coast of Odisha, the DRDO announced on Thursday. "The missile followed the desired path using waypoint navigation and demonstrated very low altitude sea-skimming flight. During the test, all subsystems performed as per expectation," the DRDO said in a statement. The details or the specifications of the missile were not mentioned but the missile looked a lot similar to the Nirbhay subsonic cruise missile.

Srinagar likely to be tagged as World Craft City from India

The World Crafts Council International (WCCI), a Kuwait-based organisation working on recognition and preservation of traditional crafts, has picked Srinagar for mapping its craft clusters before its final nomination as the World Craft City (WCC) from India this year. A three-member team of the WCCI is in the city to inspect craft clusters, processes involved, and the status of artisans. The final announcement about the city's inclusion is likely in the next two months. "The craft work we witnessed so far in Srinagar is flawless. The world needs to know about it," a WCCI member, told The Hindu.

Activity-based curriculum drawn up for anganwadis

<u>NEP-based framework document says learning begins at birth; staff in 14 lakh anganwadis to</u> be trained and parents encouraged to engage toddlers in activities to reach key milestones

Maitri Porecha NEW DELHI

child's learning begins at month zero, emphasises the National Framework of Early Childhood Stimulation, 2024, which lays down month-by-month activities to be conducted by parents, anganwadi staff and ASHA workers for children from birth to the age of three.

The framework document has been finalised by an internal committee comprising representatives from the Ministries of Women and Child Development, Health and Family Welfare and Education, the Department of School Education and Literacy, the National Council of Educational Research and Training, the Institute of Home Economics, the University of Delhi and civil society organisations.

Continuous learning

Titled 'Navchetana', the activity-based curriculum follows the National Education Policy, 2020 that calls for a continuum of learning. Staff in 14 lakh anganwadis will be given training in the curriculum.

The curriculum involves



New approach: The new curriculum involves talking, playing and listening to music. FILE PHOTO

talking, playing, moving, listening to music and sounds, and stimulation of all the senses – particularly sight and touch in order to reach developmental milestones across domains, and develop "early language, and emergent literacy and numeracy".

As much as 75% of the brain develops in the first three years of a child's life, says Namya Mahajan, a member of the internal committee and founder of Rocket Learning. The national framework provides detailed information on the importance of brain development in the first

three years, and step by step instructions for caregivers and frontline workers on conducting early stimulation activities, she said.

This involves getting the child's attention, communicating with and responding to the child, introducing age and skill appropriate activities for play, and following the child's lead during the activities.

It also involves helping the child with a new task, and praising the child for her efforts.

The document entails 36 sets of activities for chil-

dren from months 0 to 36. It encourages the use of household objects such as cups, bottles or leftover pieces of fabric. Activities involve reaching for objects, imitating sounds, spinning bangles, putting objects in and out of a jar and removing knots in a handkerchief in the first year.

Step by step

After a year, the activities include encouraging children to feed themselves and explore the house, involving them in the kitchen, playing with dough and introducing them to a mirror.

At the age of 18 months, children are encouraged to scribble with a crayon and at 24 months, the recommended activities include shoe sorting and matching. By the age of three, children are introduced to a cycle, asked to say their names and identify colours.

The framework says the activities will help identify children with developmental delays. In such a situation, the anganwadi worker or parent can adapt by picking up activities recommended for children a few months younger.

THE HINDU **Business**

U.S. weekly jobless claims stay at low level



Fed's dile ma: Labour-market resilience may lead the Fed to delay cutting interest rates until September. AFP

Reuters

The number of Americans filing new claims for unemployment benefits was unchanged at a low level last week, pointing to continued labour-

market strength. Labor market resilience, which is driving the Labor market resilience, which is driving the economy, together with elevated inflation have led financial markets and some economists to expect the Federal Reserve could delay cutting interest rates until September. A few economisti doubt that the U.S. central bank will lower borrowing costs this year. "Overall, lavoffs remain low, We expect a

continuation of the current trend, with a further continuation of the current trend, with a further adjustment in the labor market coming from a moderation in hiring rather than a surge in economist at High Prequency Economics. Initial claims for State unemployment benefits were unchanged at a seasonly-adjusted 13.5 Labor Department said on Thursday. Economists polled by Reuters had forecast 2,15,000 claims in the latest week. Claims have been bouncing around na 1,94,000-2,25,000

range this year. Unadjusted claims declined 6,756 to 2,08,509

last week. Filings in California jumped by 3,063. There were also notable increases in claims in There were also notable increases in claims in Connecticut, Georgia and Oregon. Fed Chair Jerome Powell backed away on Tuesday from providing any guidance on when rates might be cut, saying instead that the monetary policy needed to be restrictive for longer.

Resisting the dragon



green funds of billions of euros Around 64.1 bn in potential EU carbon revenues lost; green start-ups worry price dip slims financing chances; carbon prices forecast to stay relatively low in 2024; the EU Innovation Fund is the bloc's main fund for nascent technologies which the bloc is banking on to meet climate-change goals Analysts say the EU car-bon price dip is likely tem-

Carbon price fall deprives Europe's

Reuters FLORENCE/BERLIN

drop in the Euro-pean Union's (EU) year could mean a fund in-tended to be among the for new green technologies will be smaller than bud-geted for and potentially geopardise some low-car-bon projects in the EU. After soaring above

After soaring above €100 per tonne of CO2 last year, the cost of EU carbon permits had nearly halved by February, as emissions covered by the market plunged as a result of lower power demand and higher renewable power generation. The fall has wiped out

£4.1 billion (\$4.36 billion) C4.1 billion (34.36 billion) in potential revenues for Europe's budget for low-carbon investments so far market data shared with Reuters by consultancy Veyt showed. While the dīp in emis-sions shows the carbon meet its climate mula, it algoals. By the EU's own esti-mates, the fund should raise €40 billion this de-cade, if CO2 prices aver-aged €75/t in that period. The benchmark EU car-bon price has remained be-low this level for more than three meeths. It was trud

three months. It was trad-ing at around €70/t on Wednesday. meet its climate goals, it al-so means the scheme is raising less-than-expected Lower revenue As a result, EU carbon refor EU green transition funds and to pay for the di-mate efforts of member States. venues so far in 2024 are 30% less than if carbon auctions had achieved the average 2023 price, which The EU Innovation

was €83.6/t, the data from Veyt shows. "If there is less money it Fund is the bloc's main fund for nascent technolo-



ed by short-term factors, says Veyt's Sorhus. REUTERS Market dynamics: Prices are be

gies such as hydrogen and carbon capture, which the 27-nation bloc is banking on to meet climate change Less cash for the energy goals. By the EU's own esti transition would be a blow to European industries struggling to go green while staying competitive internationally

> will affect the number of projects the funds can sup-port," LSEG carbon analyst Yan Qin said. The carbon market also feeds a Modernisation Fund to help the poorest EU countries shift away from fossil fuels. Less cash for the energy transition would be a blow to European industries that are struggling to go

> > Reuters BEIJING

Sales of Chinese smartphone maker Xiaomi's first

electric car have been 3-5 times higher than expect-ed, CEO Lei Jun said on ed, CEO Lei Jun said on Thursday, as the company began delivering standard versions of the so-called SU7 to buyers ahead of schedule. Mr. Lei, Xiaomi's foun-der, commented during a two-hour livestream on Douyin, the Chinese equiv-

alent of TikTok, that gar-nered more than 34 mil-

hered more than 34 mil-lion viewers. Xiaomi introduced its car, which draws styling cues from Porsche, late last month, entering a crowd-ed China EV market with

special "reserve" will also soak up some excess sup-ply. Still, some have lo-wered their forecasts. A Reuters survey of ana-lysts in 2022 gave an aver-age price forecast for the benchmark contract of e94 // in 2024. That had dropped to 674/k in a poli-tias turned more nearish-than anyone evented." than anyone expected," said LSEG's Yan Qin. Short-term factors Vevt carbon analyst Ingvild green while staving com Sorhus said prices are bepetitive internationally. Some are already shifting ing dampened by short-term factors, including a investments to the U.S., to recent EU move to sell mil recent EU move to sell mil-lions of extra carbon per-mits to raise money to help countries quit Russian gas. A European Commis-sion spokesperson sidi it has not changed the $\epsilon TSAT$ carbon price it uses to esti-mated the size of the Inno-vation Fund. It does not committed the carbon market price. benefit from clean-technol ogy subsidies. Holcim said the Innova-Holcim said the Innova-tion Fund had been a trig-ger for low-carbon invest-ments in Europe. The world's largest cement maker has already won fund backing for carbon campure projects in Bolet.

capture projects in Belgi-um, Croatia, France, Ger-many and Poland. "We've never invested so much in Europe in de-cades, and that's partly thanks to the Innovation Fund," Holcim Vice Presi-dent of Public Affairs Cedric de Meeus said, adding it may bid for the fund again in future. vernment stretched.

bon price tup is neery tem-porary and prices are set to rise this decade since the market is designed to gra-dually cut the supply of permits each year, while a special "reserve" will also vid Strittmatter, CEO of German start-up ICODOS which launched a pilot plant last year for low-car bon methanol fuel. "It's really one of the ve-ry few instruments that ry few instruments that can belo us to get to that scale," he said, adding that a stenail buget in the prompted other local di-mate projects to target the EU fund instead. The Innovation Fund is heavily oversubscribed. I stage latest funding call for large scale projects last year awarded €3.6 billion to 41 projects, after 239 applied A call for smaller pro-jects also received bids for nearly three times the €100- million budget German start-up Heatrix is considering bidding for is considering bidding for support for its first com-mercial plant, to convert renewable electricity into high-temperature indus-trial heat.

'Delay inves Co-founder Wei Wu said the dip in carbon prices should not prompt companies to abandon decarbon sation plans, but could de-lay investment Funding uncertainty The Innovation Fund sup-The Innovation Fund sup-ports low-carbon technol-ogies which developers said lack funding as they are deemed too risky for investors, and national go-vernment budgets are errorchord emissions-saving projects that a higher EU carbon price would help make "I hope it's just a tem-porary state ... And it's go-ing to rise again," she said.

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out that (the EU

fund), the projects are not really bankable," said Da-

Xiaomi says sales of its electric car 3-5 times higher than expected

build off-road vehicles and xiaomi su7 would primarily focus on

the SU7 while the world's lar-gest auto market is chal-Deep pockets: Citi estimates the SU7 could generate a net loss of 4.1 billion yuan, or an average of 68,000 yuan per car, REUTERS ney on the SU7.

gest auto market is chal-lenging for newcomers due to a cut-throat EV price war and slowing demand, analysts have said Xiaomi has deeper pockets than most EV start-ups and its simartphone expertise gives it an edge in smart dashboards – a feature price processing the start price of the start of the sta Analysts predict that losses on the SU7 could be

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Mr. Lei said Xiaomi had substantial. Based on a projected volume of 60,000 units this year, Citi estimates the SU7 could brought forward deliveries of its standard version by 12 days. Asked by online users about future deve-lopment plans, he said Xiaomi had no plans to generate a net loss of 4.1 billion vuan, or an average of 68 000 years per car

g the plug: The BYD EV Dolphin Mini, a low-cost EV, being unveiled in Mexico City. Mexico's federal government, under pre-is, is keeping Chinese automakers at arm's length by refusing to offer incentives such as low-cost public land or tax cuts for meetin EV greaterism. However, afficiale femilies with the metters and BO (TERS). he U.S., is

What's the correlation between price of gold and U.S. dollar?

B. Bhagwan Das

Simply put, whenever glo-bal oil prices shot up, the Global price of gold (24 ca-rat) on April 10 was price of gold also rose. Si-milarly, whenever the U.S. dollar declined in value rat) on April 10 was \$2,349.88 per ounce. In India it was ₹7,174 per gram. In recent weeks gold has witnessed phenomenal against the currencies of its major trading partners. gold appreciated fin price. The explanation is quite simple. Rise in internation all crude oil prices signalized tion, which led to an in-prease in the demand for gold as a hedge against in-flation, gold being a real as-and hence not subject to loss of value. Similarly since the global price of dollars. Its depreciation gold appreciated in price. price increase, with expec-tations to rise further. I did tations to rise further. I did an econometric study of the major influences on the international price of gold, taking historical data of more than 30 years and arrived at the following combine. results: There was a direct rela-

tionship between global price of crude oil and the nternational price of gold (positive correlation) and dollars, its depreciation meant global price of gold an inverse relationship bet ween the external value of the U.S. dollar and the inhad to rise.

However, gold's price is ternational price of gold determined by supply and (negative correlation). demand factors. The pro-CM (CM)



duction of gold by producmined, new production crude oil and natural gas will involve digging deeper into the bowels of the earth, which is expensive, as goldmining is both an ing countries and the cost of mining gold are factors

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And in case

rise, it contributes to the rise in the price of gold. to be considered on the earth which is expensive, supply side. Since most of as goldmining is both an the available gold in the energy and labour inten-world has already been sive. So when the prices of sikes in its price. The de-

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mand for gold can be bro-ken up into institutional, investor, consumer and in-dustrial demand. It is institutional demand in the form of central banks' denand for gold that drives its price up to record levels each day

attention-grabbing

price tag - under \$30,000 for the base model, which

is \$4,000 cheaper than the base model of Tesla's Mo-

del 3 in China. Xiaomi has deep pock-ets and expects to lose mo-

Central banks buy gold Central banks buy gold to boost their reserve as-sets, as it is a store of value and forms the basis for the issue of new currency. Faced with the threat of in-flation against the back-drop of the current in-crease in crude oil prices (Brent crude touching \$90 (Brent crude touching \$90 a barrel) and geopolitical uncertainty in the wake of the wars in Weat Asia and Eastern Europe, central banks worldwide, especial-ly the Central Bank of China, are stocking up on gold. Foreign currency re-gold, it is bought as a tradi-

serves in central banks un-der the current situation tional store of wealth and as ornaments for special are subject to risk and loss of value. occasions. So, consumer demand is mostly Investor demand comes seasonal. Industrial demand is in from individuals as well as

institutional investors. fluenced by technology. Gold as a metal is preferred who would like to invest in Gold as a metal is preferred by industry for its intrinsic properties like malleability and conductivity. Correlation between gold's price and the price of the U.S. dollar (exchange rate) is a short term aberration, which is likely to get cor-manded as reserve assets

who would like to invest in physical gold or their fi-nancial derivatives and ex-derivatives and ex-derivatives and the or-derivative reader of the first investment portfolio. Return on investment is an investor's primary con-cern, but diversification or-ment, under uncertain ge-opolitical and economic conditions is driving de-Consumer demand arismanded as reserve assets and safe havens of investment given current Consumer demand aris-es from individuals as well uncertainties.

(The writer teaches Ecoas jewellers. In both China and India, the largest connomics at Asian College of Journalism and is forme HoD Economics Lovala College, Chennai)

and the second second

What's the correlation between price of gold and U.S. dollar?

B. Bhagwan Das

Global price of gold (24 carat) on April 10 was \$2,349.88 per ounce. In India it was ₹7,174 per gram. In recent weeks gold has witnessed phenomenal price increase, with expectations to rise further. I did an econometric study of the major influences on the international price of gold, taking historical data of more than 30 years and arrived at the following results:

There was a direct relationship between global price of crude oil and the international price of gold (positive correlation) and an inverse relationship between the external value of the U.S. dollar and the international price of gold (negative correlation).

Simply put, whenever global oil prices shot up, the price of gold also rose. Similarly, whenever the U.S. dollar declined in value against the currencies of its major trading partners, gold appreciated in price.

The explanation is quite simple. Rise in international crude oil prices signalled the spectre of global inflation, which led to an increase in the demand for gold as a hedge against inflation, gold being a real asset unlike financial assets and hence not subject to loss of value. Similarly since the global price of gold is expressed in U.S. dollars, its depreciation meant global price of gold had to rise.

However, gold's price is determined by supply and demand factors. The pro-



What's in store: The current positive correlation between gold, USD prices may get corrected. REUTERS

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duction of gold by producmined, new production ing countries and the cost will involve digging deeper of mining gold are factors into the bowels of the to be considered on the earth, which is expensive, supply side. Since most of as goldmining is both an the available gold in the energy and labour intenworld has already been sive. So when the prices of

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crude oil and natural gas rise, it contributes to the rise in the price of gold.

However more than gold's supply, its demand contributes to periodic spikes in its price. The demand for gold can be broken up into institutional, investor, consumer and industrial demand. It is institutional demand in the form of central banks' demand for gold that drives its price up to record levels each day.

Central banks buy gold to boost their reserve assets, as it is a store of value and forms the basis for the issue of new currency. Faced with the threat of inflation against the backdrop of the current increase in crude oil prices (Brent crude touching \$90 a barrel) and geopolitical uncertainty in the wake of the wars in Weat Asia and Eastern Europe, central banks worldwide, especially the Central Bank of China, are stocking up on gold. Foreign currency re-

serves in central banks untional store of wealth and as ornaments for special der the current situation are subject to risk and loss occasions. So, consumer of value. demand

Investor demand comes seasonal. from individuals as well as institutional investors. fluenced by technology. Gold as a metal is preferred who would like to invest in by industry for its intrinsic physical gold or their fiproperties like malleability nancial derivatives and exchange traded funds and conductivity. (ETFs) as a component of correlation between gold's their investment portfolio. Return on investment is an price and the price of the investor's primary con-U.S. dollar (exchange rate) cern, but diversification of is a short term aberration, risk and safety of investwhich is likely to get corment, under uncertain gerected. Both are being deopolitical and economic manded as reserve assets conditions is driving deand safe havens of investmand from this group. Consumer demand aris-

es from individuals as well as jewellers. In both China and India, the largest consumers and importers of gold, it is bought as a tradi-

ment given current uncertainties. (The writer teaches Economics at Asian College of Journalism and is former HoD, Economics, Lovola College, Chennai)

.

is

Industrial demand is in-

The current positive

mostly

The Indian EXPRESS

FRIDAY APRIL 19, 2024, NEW DELHL LATE CITY, 22 PAGES

77.00 (78 BIHAR & RAIPUR / 12 SRINAGAR) WWW INDIANEXPRESS CON World's largest,

greataste elections!

Your favourite choice!

Maryam quotes father

with neighbours, open

FIRST OUTREACH BY NEW PAK GOVT

Nawaz: 'Don't fight

doors of friendship'

ENTIRE TN, UTTARAKHAND (44 SEATS); REMAINING 58 SEATS ACROSS 19 STATES/ UTs **Decision 2024 begins today**



28.76% Cong STATE-WISE SEATS GOING TO POLLS



39 19 states/UTs 58 ASSEMBLY POLLS







IN THESE parts of Littarakhand native son General Bipin Rawat, the Chief of Defence Staff (CDS) who died in a helicopter crash int mention Asdoes

raise sugar levels, create case for bail, ED tells court

ARNABJIT SUR EW DELHI, APRIL 18

DELHI CHIEF Minister Arvind Kejriwal, who is lodged in Tihar jail after being arrested in the ex-cise policy case, was deliberately eating mangoes and ofther foodto raise his blood sugar levels and create grounds for bail, the ED al-



LAKSHADWEEP GETS READY TO VOTE Polling teams with EVMs and voting material leave for Kiltan Island, Lakshadweep, on Thursday. Voting in Lakshadweep will be held on Friday. AN

PLEA FOR 100% VERIFICATION WITH VVPAT SLIPS SC reserves order, says rising turnout shows people's faith

mnowing is that a two lass to take faith in the system." Justice the percentage throwing what has happened in the part of the percentage has grown. GD percent or G6 percent or even ingher is an ingher is an ingher the part of the percentage of the percentage the percentage of the percentage of the percentage the percentage of the percentage of the percentage the percentage of the percentage of the percentage of the percentage the percentage of the percentage of the percentage of the percentage the percentage of the percentage of the percentage of the percentage the percentage of the ANANTHAKRISHNANG EW DELHI, APRIL 18 RESERVING ITS decision on a batch of petitions seeking com-plete cross-verification of votes peete cross-vernication of votes polled on Electronic Voting Machines (EVMs) with Voter Verifiable Paper Audit Trail (VVPAT) slips, the Supreme Coart on Thursday said the ris-ing voter turnout is an indicator or rel repopt's faith in the elec-

CM denied

per court, need: jail officials

CONTINUED ON PAGE 2

insulin: AAP facilities as

has grown. 60 per cent or 66 per cent or even higher is an indica-tion of the faith the people have." In the structure of the structure in the structure of the structure rejected an argument that "far more technologically advanced countries" had abandoned EVMs for ball to papers. "That's not cor-rect: the Judges stal. "We have our own system. April 16, justice Khanna had dis-missed suggestions to return to the ballot paper. "Fortunately, we are now in our sixtices. We have seen what used to happen ear-lier. Have you forgotten that? If you have forgotten that? I am sorty. I have not forgotten, "be had said. CONTINUED ON PAGE 2 d process. As some petitioners said "the

In Uttarakhand, home of past & present

On Tuesday, addressing a rally in the Garhwal Lok Sabha constituency, Union Home Minister Amit Shah raised both the i ng Uttarakhand was filled with "the families of Army jawans and retired Army

9

ED ATTACHES RAJ

KUNDRA'S ASSETS

ARNATAKA CONG COUNCILLOR'S

TO DEATH PAGES 9, 12

DAUGHTER STABBED

WORTH 797 CR

Countered Prime Minister Narendra Modi's Charge pro-gramme. Kharge and the in: Ram Temple consecration be-dend the in: CDS, worry over Agnipath — but not BJP AVANEESH MISHIRA PALIFICARRHWAL APRIL 18 On Tresday, addressing an analy in the carried CDS. General Anil Chauhan, also belongs to the area, specifically to Gawana in Pauri Garhwal, about 120 kms auguration of the new Parliament building, while Kovind was not allowed to lay from Rawat's native village the foundation stone of the new CONTINUED ON PAGE 2 Parliament building

Kejriwal eating mangoes to EXPRESS NETWORK Yrs after Sonia took Nehru papers, PM museum set to seek view on ownership

DIVYAA& LEENAMISRA

MANOJCG

NEW DELHLAPRIL 18

president Mallikarjun Thursday accused the BJP government of "humiliating" President Droupadi Murmu and her

SAYING THAT Scheduled Caste

(SCs) still face discriminat across the country, Cong president Mallikariun Kharg

NEW DELHI, AHMEDABAD, APRIL 18 THE PRIME Ministers' Museum and Library (PMML) – formerly Nehru Memorial Museum & Library, or NMML – is planning toseek legal opinion on the own-

General Meeting (AGM) of the PMML, chaired by Defence Minister Rajnath Singh in February, during which a large part of the discussion centred on Nehru's private papers in the part of the discussion centred on Nehru's private papers in the PMML's collection, of which 51 boxes were taken back by

My people not allowed

in temples... if I went to

have tolerated it: Kharge

Says Murmu, Kovind not called for temple,

Mallikariun Kharge

Arguing that Scheduled Cast are still not allowed entry

oles, he said: "V

CONTINUED ON PAGE 2

new Parliament events as they are SC, ST

DEA

Avodhya, would they

Jawaharlal Nehru, which were donated after 1971 by Indira Gandhi and later hy Sonia Gandhi The Indion Express has learnt. This follows the Annual This follows the Annual private papers donated by the Gandhi family was discussed in detail in the AGM held on February 13, which was also at-tended by Finance Minister Nirmala Sitharaman and Education Minister Dharmendra

in, among other members. CONTINUED ON PAGE 2

- U.

AT THE heart of the Iran-Israel cri-sis is the war in Gaza and Iran has urged India to "maintain its active role through international bod-ies," including the United Nations Security Council, to halt the war in Gaza, Iran's Ambassador to New Delhi Iraj Elahi told The Indian Express Thursday. His remarks come the day Ann Tessa Joseph, a female cadet who was among the 17 Indians onboard container vessel MSC

the nation in a positiv

Aries that was seized by Iranian military due to its alleged links with Israel over the weekend re-





turned to Kochi. The Ministry of Externa Affairs said that the Indian em bassy in Tehran is in touch with the remaining 16 Indian crew



to seek legal opinion on the own-ership and custodianship of pri-vate papers in its collection, in-cluding those of former PM

his way through the con-stituency, one of the most densely packed regions of the city: hylanes that house textile workers, colonies, highrises that have rapidly taken over the sky-line or the sky-PAGE 1 Moving on from the first stop, meanwhile, Goyal took part in an aarti' at the 75-year-old Ram

power in Delhi. "It will be a definite advan-tage for our constituency if it is represented by a person who is bound to be a Union Minister in the next Central Gove

PRATIP ACHARYA

THIS IS his first Lok Sabha election but he's already got a head-start. Union Minister of Commerce and Industry Piyush Goyal has kicked off his cam-

s yet to name his rival. And, here's a growing buzz on the and that a vote for him will ground that a vote for him will mean the local voice heard at the antional level, in corridors of gatherings lined up, Goyal made part of Goyal's campaign trail.

said Deepak Joshi, a local resi-dent of Bhadran Nagar in Malad West of the Mumbai North conline over the past few years. Mumbai North has been a BJP bastion with the party retain Vertical the industrial and the section of the sect dents here. On Wednesday, Goyal took the first big step in his debut Parliament election by holding a public gathering in Borivali East at 10.30 am amidst a swell of

ARKES T

Union minister Pivush Goval, BIP's candidate for Mumbai

epaper.indianexpress.com

Numbai" (Ideal Mumbai). Goyal has been engaged in a woter reachout for the past three weeks flagging how quality of life is alkey priority — he has been as-suring voters that he would make the constituency slum-free and relieve its transport infrastruc-ture of the stransport infrastruc-ture for the stransport infrastruc-ture of the stransport infrastruc-ture of the stransport infrastruc-ture of the stransport information of the stransport of the stransport of the stransport. Following the 'aarti', Goyal indexto y ought ad speaked to invoked the leadership of Prime Minister Narendra Modi to link locality that comprises mostly

eaffirmed his or

Tirmed his commitment sform "Uttar Mumbai"

(North Mumbai) to "Uttam Mumbai" (Ideal Mumbai).

low-income households belo ing to the minority commu-from northern India. Once ag the debut candidate ar coloruful webcome with bloss flower petals.

For many in the gathering, es ially daily con ibai's cro ded suburba ihji was the Ra the Commerce Minister said, From Bhadran Nagar, which is dominated by Guiarati-speakali and Bo facelift. Being a Mumbaikar, he knows the suburban part of the CONTINUED ON PAGE 2



larger national goal, a third term, "where the next BJP-led NDA Government would transform

India into a world leader." "Modiji has given a clarion call towards making India Viksit Bharat" and we are living in the 'Bharat-Yug'. The day is not far when India will become the Vishwa Guruand Parket Vishwa Guru and it's the respon-sibility of each one of us to take

SHUBHAJIT ROY NEW DELHI, APRIL 1 IRAJ ELAHI



Punjab (Pakistan) Chief Minister Maryam Nawaz with Sikh votees at Kartarpur Sahib on Thursday. Ph

> India to wait WITH THE new civilian t of PML-N Pakistan Army, in place Islamabad is exploring low-key and low-ris engagement with New Delhi, and Maryam Nawaz's statement is th Delhi, anu waryana Nawaz's statement is th first expression of inter-est, India is likely to watch the Pakistan gov-ernment till June, when the outcome of the LS

polls becomes clear

Participating in Urge India to maintain its active role to help



One of crew onboard seized ship back home, envoy says others free to return

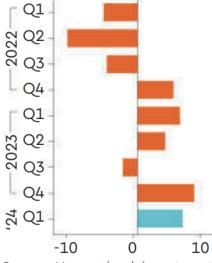
Norway's wealth fund posts \$109-bn Q1 profit

GWLADYS FOUCHE Oslo, April 18

NORWAY'S \$1.6 TRILLION wealth fund, the world's largest, posted a record profit of 1.2 trillion crowns (\$109 billion) on Thursday for the first quarter of 2024, boosted by strong tech stocks and a continuing boom in artificial intelligence.

It was the fund's highest quarterly return in absolute terms since its creation in 1996 and compared with a profit of 893 billion crowns at the same time a year ago. The fund's relative total return was 9.1% in the January-March period.

"It is a remarkably strong quarter," deputy CEO Trond Grande told *Reuters*, adding that the return was driven by the world's top tech companies, dubbed "the Magnificent Seven", in particular NVIDIA and Microsoft. Wealth fund quarterly returns



Source: Norges bank investment management/Bloomberg

"For NVIDIA, it is making the hardware for AI," he said.

"(And for) other companies that are far ahead in looking at how they can apply this new technology, and of course monetise it, like Microsoft in the enterprise space and Meta Platforms in the social media space".

The fund invests the proceeds of the Norwegian state's oil and gas production into stocks, bonds, unlisted property and renewable projects abroad.

Its size is equivalent to \$283,000 for every Norwegian man, woman and child.

Since the end of the first quarter, markets have been "a little bit more jittery", Grande said, given delayed expectations that the.S Federal Reserve and other central banks would cut interest rates. The fund expected inflation to remain "a little bit more sticky than perhaps was anticipated".

"As long as you don't see the inflation moving closer to the banks' targets, rates are going to stay where they are—the short-term rates," Grande said. —REUTERS

POEM-3 Mission and Space Debris

 Recently, ISRO's PSLV-C58/XPoSat mission achieved near-zero debris in Earth's orbit by converting the final stage into the PSLV Orbital Experimental Module-3 (POEM-3), which then safely re-entered the atmosphere rather than remaining in orbit after completing its mission. • What is POEM?

- POEM is an innovative space platform developed by the Vikram Sarabhai Space Centre (VSSC).
 - It repurposes the fourth stage of a PSLV rocket into a stable orbital station for conducting in-space scientific experiments with diverse payloads.
 - Its inaugural use occurred during the PSLV-C53 mission in June 2022.
 - Normally, the fourth stage of the PSLV becomes space debris after deploying satellites, but in the PSLV-C53 mission, it served as a stabilised platform for experiments.

- POEM-3 Mission: I
- t was launched as part of the PSLV C-58 mission on 1st January 2024. After deploying the XpoSat satellite, the fourth stage was transformed into POEM-3 and lowered to a 350-km orbit, significantly reducing the risk of space debris generation.

- Current Status:
- According to ISRO's Space Situational Assessment Report 2022, the world placed 2,533 objects in space in 179 launches in 2022 alone. In 2022, three major on-orbit break-up events occurred, contributing to most of the debris created that year:
 - March 2022: Intentional destruction of Russia's Cosmos 1048 in an anti-satellite test.
 - July 2022: Break-up of the upper stage of Japanese H-2A while deploying the GOSAT-2 satellite.
 - November 2022: Accidental explosion of the upper stage of China's Yunhai-3.

THE GROWING PROBLEM OF SPACE DEBRIS

International Space Station

approx-300 to 400 km asl

Debris in Low Earth Orbit

10 cm and Larger = 20,000+ objects
1-10 cm = 500,000 objects
Under 1 cm = over 10 million untrackable objects

Tracking and Speed

Most debris is tracked using radar by the US Department of Defense.
Orbiting debris moving over 28,000 kph. (23 times the speed of sound)

Potential Damage

At high speeds, even paint flecks can cause serious damage to satellites, spacecraft and the ISS. Every collision creates more debris, producing a cascading problem.

GEO and the larger problem

The world depends on satellites in geosynchronous Earth orbit for communications and GPS. But debris is largely untrackable at this orbit, meaning that cascading collisions could make it unusable. Geosynchronous Earth Orbit approx. 35,786 km asl

Low Earth Orbit

approx. 160 to 2,000 km asl

EARTH

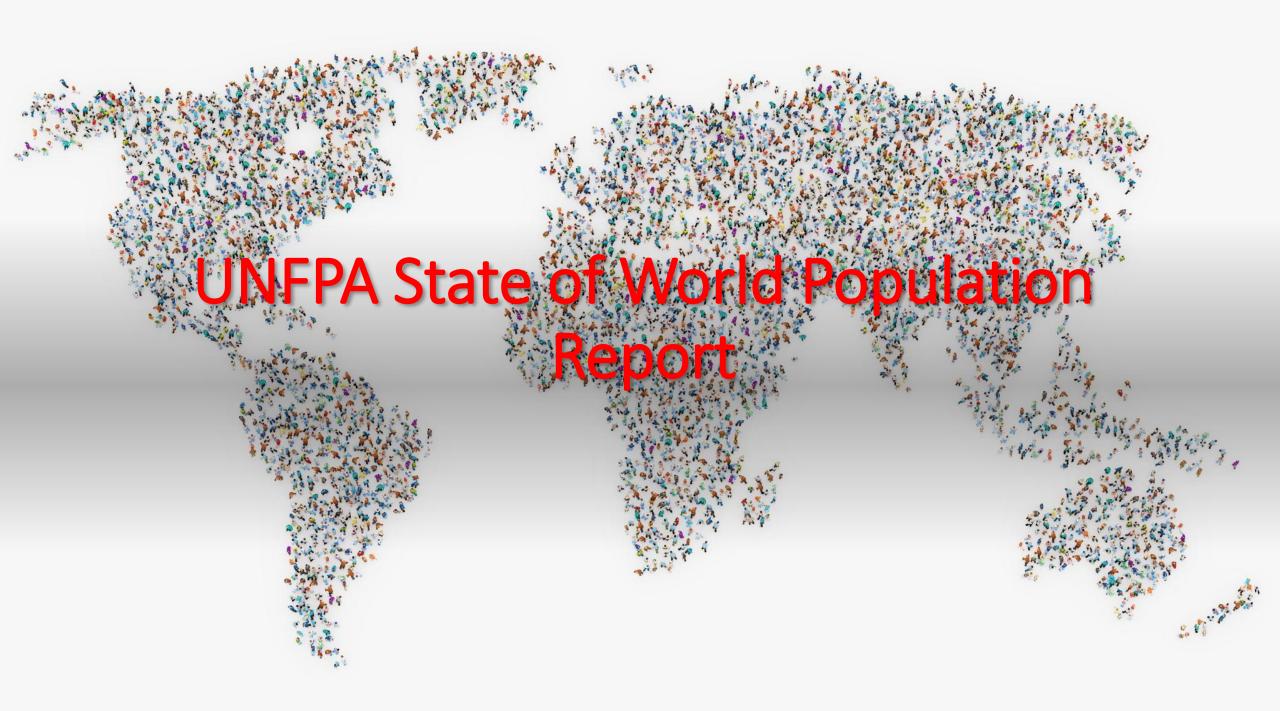
Surya Tilak Project Ram Lalla Source: PIB



- What is the Surya Tilak Project?
- About:
 - The Surya Tilak Project represents a unique fusion of technology and tradition, meticulously engineered to illuminate the forehead of Lord Ram's idol with a precise beam of sunlight during the revered festival of Ram Navami.
 - The Indian Institute of Astrophysics (IIA) under the Department of Science and Technology was crucial in the Surya Tilak Project at Ayodhya.

Calculation and Positioning

- The IIA team carried out the calculation of the sun's position, design, and optimisation of the optical system for the Surya Tilak Project.
- The Ram Navami date varies each year following the Gregorian calendar due to its solar nature, while the Hindu calendar is lunar-based.
 - The Gregorian calendar is based on Earth's revolution around the Sun, making it a solar calendar with roughly 365 days in a year, whereas the Hindu calendar is based on the Moon's revolution around Earth, making it a lunar calendar with roughly 354 days in a year.



- The United Nations Population Fund's (UNFPA) State of World Population - 2024 report revealed that India's population is estimated to double in 77 years.
- Key Highlights: India leads globally with an estimated population of 1.44 billion, followed by China at 1.425 billion.
- India's population was recorded at 1.21 billion during the last census, conducted in 2011.

- The report revealed that 24% were aged 0-14, 17% aged 10-19, and 26% aged 10-24. 68% aged 15-64, and 7% aged 65 and above.
- Men have a life expectancy of 71 years and women 74 years.
- The report also highlighted that 30 years of India's progress in sexual and reproductive health has largely ignored the most marginalised communities globally. It noted that the percentage of child marriage in India was at 23% between 2006-2023.

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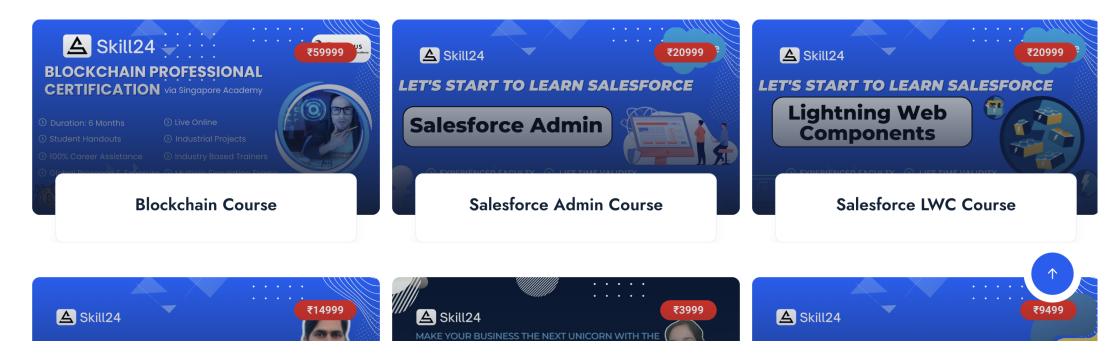
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Thank you guys.