Text&Context

THE

NEWS IN NUMBERS

Number of attacks against students globally in 2022-2023

6,000 The UNESCO warned of a

Number of suspicious SIMs blocked by the Rajasthan police

2.36 In lakh. In a bid to curb cyber crimes in the Mewat region, the State's police have blocked 2.36 lakh suspicious SIMs and 2.29 lakh mobile us IMEI. PT

Sweden's aid package to Ukraine for war against Russia

In \$ million. This is the country's 17th aid package to Ukraine.

The new package will include ammunition for infantry fighting vehicles already donated by Sweden. SEUTERS

Medals won by India in Deaf Shooting Championships

According to the National Rifle
Association of India (NRAI), India
has won seven gold, seven silver
and as many bronze medals in the
tournament which concluded on Sunday.
Ukraine finished second. PRI

Palestinians killed in the Gaza Strip since October 7

deaths in the last 24 hours, according to the health ministry in Gaza. APP

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On the challenges to road safety in India

What does the India Status Report on Road Safety 2024 state with respect to meeting international goals of reducing road accident fatalities? Which States have the lowest rates of road accident deaths? What is a crash surveillance system?

EXPLAINER

Tikender Singh Panwar Geetam Tiwari

he 'India Status Report on Road Safety 2024," prepared by the TRIP Centre at ITI Delhi, not only highlights India's slow progress toward meeting international goals of reducing road accident fatalities, but also emphasises the organic connection between road construction, mobility, and the need for a differentiated approach to mitigate road accidents. approach to mitigate road accidents.

approach to mitigate road accidents.

What does the report state?
This report analyses road safety in India, using data from First Information Reports (FIRs) from six States and audits of State compliance with Supreme Court directives on road safety governance. It exposes disparities in road traffic death rates across States, emphasising the vulnerability of motorcyclists and the high rate of fatal crashes involving trucks. Road traffic injuries remain a major public health challenge in India, with little progress in reducing fatalities, despite advancements in other sectors. Most Indian States are unlikely to meet the United Nations Decade of Action for Road Safety goal to halve traffic deaths by 2030. In 2021, road traffic injuries were the 13th leading cause of death in India and the 12th leading cause of health loss (measured in Disability-Adjusted Life Years, or DALYs). In six States (Haryana, Jammu and Kashmir and Ladakh, Punjab, Rajasthan, Uttarakhand, Uttar Pradesh), road traffic injuries ranked among the top 10 causes of health loss

Why is crash surveillance necessary? India's national road safety data systems are insufficient for guiding public policy. Currently, there is no national crash-level database. Road safety statistics at both State and national levels are compiled from individual police station records,

Safety first

In 2021, road traffic injuries were the 13th leading cause of death in India and the 12th leading cause of health loss.

	Chhattisgarh	Chandigarh	Delhi	Haryana	Maharashtra	Uttarakhand
Pedestrian	19	23	44	29	24	28
Bicycle	4	13	3	3	1	3
Motorised two-wheeler	58	51	40	47	58	48
Motorised three-wheeler	1	7	4	3	1	3
Car	4	4	5	8	6	7
Bus	1	1	0	1	1	- 4
Truck	5	1	2	5	5	4
Farm tractor	6	0	0	2	2	0
Others	0	1	1	1	2	1
Unknown	0	1	1	0	0	1
Total (%)	100	100	100	100	100	100

Percentage of road traffic deaths by type of impacting vehicle in six States									
100	Chhattisgarh	Chandigarh	Delhi	Haryana	Maharashtra	Uttarakhano			
Bicycle	0	0	1	0	1	0			
Motorised two-wheeler	13	11	6	10	14	10			
Motorised three-wheeler	0	7	2	1	0	1			
Car	7	36	14	25	14	21			
Bus	3	5	6	4	4	7			
Truck	24	12	18	32	27	28			
Farm tractor	5	1	1	7	4	6			
Others	11	12	5	1	5	2			
None	16	9	3	2	16	5			
Unknown	18	9	45	17	15	21			
Total (%)	100	100	100	100	100	100			

which are aggregated at district, State, and national levels before being published. These tables allow only the most basic analyses, preventing effective intervention or program evaluation. Furthermore, comparisons with other datasets, such as the Global Burden of Disease (GBD) study and Sample Registration System (SRS), suggest that these tables often contain inaccurate information on key variables like the victim's mode of transport – data crucial for road safety management.

In the absence of a crash surveillance system, the report had to rely on FIRs ce audit reports

w are States faring in road safety? Road safety varies significantly across India, with per capita death rates differing more than threefold between States. Tamil Nadu, Telangana, and Chhattisgarh recorded the highest death rates, at 21.9, recorded the ingest death rates, at 21-9, 19.2, and 17-6 per 1,00,000 people, respectively. In contrast, West Bengal and Bihar had the lowest rates, at 5.5 per 1,00,000 in 2021. Six states – Uttar Pradesh, Maharashtra, Madhya Pradesh, Karnataka, Rajasthan, and Tamil Nadu – account for nearly half of all traffic

The report also reveals that pedestrians, cyclists, and motorised two-wheeler riders are the most com

fatalities in India

victims of road accidents, while trucks are responsible for the highest proportion of impacting vehicles. It also notes that in only seven States do more than 50% of motorised two-wheeler riders wear helmets, despite the fact that this simple safety measure could significantly reduce fatalities and serious injuries. Only eight States have audited more than half of their National Highway lengths, and very few States have done the same for their State Highways. Basic traffic safety measures, including traffic calming, markings, and signage, are still lacking in most States. Helmet usage in rural areas is particularly low, and trauma care facilities are inadequate. Tailored strategies are essential to address the unique road safety challenges faced by unique road safety challenges faced by unique road safety challenges faced by different States.

How does India fare globally?
The report presents a sobering comparison between India and developed countries like Sweden and other Scandinavian nations, which have excelled in road safety governance. In 1990, an Indian was 40% more likely to die in a road accident than someone in these countries. By 2021, this figure had soared to 600%, indicating a sharp rise in road fatalities. The report questions whether better-equipped vehicles with more advanced safety features are the solution, given that two-wheeler riders, cyclists, and motorcyclists represent the majority of road fatalities.

What is the way forward? Central and State governments need to prioritise the scale-up of road safety interventions. A national database for fatal crashes should be established. Public access to this system will improve understanding of specific risks to road users and the effectiveness of various

interventions implemented in the States. Geetam Tiwari is Professor at the Indian Institute of Technology, New Delhi. Tikender Panwar is former Deputy Mayor, Shimla, and Member, Kerala Urban

THE GIST

This report analyses road safety in India, using data from First Information Reports (FIRs) from six States and audits of State compliance with Supreme Court directives on road safety governance.

The report reveals that pedestrians, cyclists, and motorised two-wheeler riders are the most common victims of road accidents, while trucks are responsible for the highest proportion of impacting vehicles.

Central and State governments need to prioritise the scale-up of road safety interventions. A national database for fatal crashes should be established.

The role of district agro-met offices in supporting farmers

What are agro-meteorological advisories? Why did the government shut down district agro-met offices?

Rishika Pardikar

CM C

The story so far: The story so far:
ast week, PTI reported that the
India Meteorological
Department (IMD) is planning to
review District Agro-Meteorology
Units (DAMUs) under the Gramin Krishi
Mausam Sewa (GKMS) scheme. The IMD established 199 DAMUs in 2018 in collaboration with the Indian Council of Agricultural Research. The aim was to use weather data to prepare and disseminate sub-district level agricultural advisories. In March, DAMUs were shut down following an order issued by the IMD.

Why are agro-met units important? Around 80% of farmers in India are small and marginal. They largely practise rain-fed agriculture in the backdrop of a decades-long farm crisis that is now overlaid with climate change-related weather variability. "The climate is changing, Monsoon onest and withdrawal dates have changed. We also see extended

dry spells and heavy wet spells. Farmers should have this information because it affects crops," Madhavan Rajeevan, former secretary, Ministry of Earth Science, told The *Hindu*.

The DAMUs were located within Krishi Vigyan Kendras (KVKs). Scientists and researchers trained in meteorology and agriculture were recruited as DAMU staff.

agriculture were recruited as DAMU staff. They used weather data provided by the IMD like rainfall, temperature and wind speeds to prepare agricultural advisories related to sowing and harvesting, usage of fertilizers and pesticides, irrigation etc. These advisories were sent to millions of farmers across the country free-of-cost in local languages twice a week. They were shared via text messages, WhatsApp groups, newspapers and also through im-person communication from DAMU staff and KVK officers. Since these advisories provided weather information in advance, they helped farmers plan activities like irrigation. They also served as early warnings for extreme events like droughts and heavy rainfall. Many studies

conducted over the years have stressed the benefits of agro-met advisories. Why were DAMUs shut down?

Why were DAMUs shut down?
According to a report by Article-14, the
NITI Aayog misrepresented the role of
DAMUs and also sought privatisation. NITI
Aayog falsely claimed that agro-met data
was automated, thereby undercutting the
role of DAMU staff. In reality, the DAMU
staff played a huge role in preparing
agricultural advisories based on weather
data by the IMD. These advisories were
prepared at the block-level across districts
and then communicated to farmers in
local languages. NITI Aayog also sought
monetisation of such services as opposed
to the current scheme where agro-met
information was provided free of cost to
all farmers. "Closing DAMUs was not a
wise decision. The IGKMS] scheme
should have been strengthened to capture
the needs of farmers across the country,"
said Dr. M. N. Thimmegowda, a professor
at the University of Agricultural Sciences.
In February, the Gujarat-based

Association of Agrometeorologists wrote to the Prime Minister expressing "deep concern and disappointment" about the decision to shut down the agro-met units while highlighting how DAMUs helped build "climate resilience" among the farming community. In the same month, Union Minister Nitin Gadkari wrote to Jitendra Singh, current Minister of State in the Ministry of Earth Sciences seeking a continuation of the services.

What about private players?

At present, there are a handful of private players if the ready and the prices become exorbitant for small and marginal farmers who are the majority," Mr. Thimmegowda said. For instance, consider how some companies currently charge \$10,000 per crop for an annual subscription to their advisories. This would mean an investment of \$20,000 - 40,000 for many farmers who cultivate vegetables and cereals. Some companies also charge rates as high as \$60,000 -80,000 for annual subscriptions to downscaled farm-level agromet advisories. Further, Mr. Thimmegowda explained that there could be bias in agro-met advisories returner, in the recommendations of fertilizers and pesticides could be biased towards certain brands:

Rishika Pardikar is a freelance environment reporter.

THE GIST

The IMD established 199 The IMD established 199 District Agro-Meteorology Units in 2018 in collaboration with the Indian Council of Agricultural Research. The aim was to use weather data from IMD to prepare and disseminate sub-district level agricultural advisories.

DAMU staff used weather data provided by the IMD like rainfall, temperature and wind speeds to prepare agricultural advisories related to sowing and harvesting, usage of fertilizers and pesticides, irrigation etc.

there are serious concerns about affordability of such

...

If there are questions of current or contemporary relevance that you would like explained, please write to explained@indianexpress.com

What to watch in high-stakes Harris-Trump presidential debate

KAMALA HARRIS and Donald Trump will KAMALA HARRIS and Donald Trump v face each other in their first and possi only televised debate on Tuesday even (6.30 am Wednesday in India). Lat polling indicates they are neck and necl the race to become the next President of United States. Here's what to know ab

Race on a knife's edge

Race on a knife's edge
Results of a The New York
Times/Siena College poll published on Sunday showed Trump leading
Harris 48% to 47% nationally, well within
the survey's 2.8%-point margin of error. The
results were "largely unchanged" from late
July, just after President joe Biden dropped
out of the race.
Other polls through August had shown
Harris surging as Trump appeared to falter
somewhat. But that sure was he believed.

Harris surging as Trump appeared to falter somewhat. But that surge may be ebbing, even as Trump's base remains firmly behind him. With less than two months to go before Election Day, a Politico commentator likened the race to "a knife fight in a phone booth".

More at stake for Harris

More at stake for Harris
Itwould seem Harris has more to gain — or lose—from Tuesday's debate. As many as 28% of likely voters in the Times/Siena poll said they needed to 'learm more' about her, compared to 9% who said the same about Trump, and they needed to 'learm more' about her, compared to 9% who said the same about Trump, and they needed to 'learm more' about her policy platform. While remaining 'generic Democrat' makes it less likely she would make a calamitous fixer year, it leaves the Trump campaign with an opportunity to define the rest of the plate of the plat

Biden flameout lessons

Biden's floundering performance against Trump in the June 27 debate effec-tively ended his political career. Analysts have pointed to two clear lessons for Harris from the disaster.

First, how Harris speaks and reacts to



Donald Trump (right) and Joe Biden during the June 27 debate on CNN. The AF

His incoherence aside, what cost Biden dearly were pictures in which he appeared lost or moody. Second, Harris will have to exploit

Trump's "weaknesses" much better than Biden could. At 59 years old, she is now the significantly younger candidate, and will have the opportunity to redirect some of the criticisms and ridicule that Trump, 78, previously aimed at Biden, 81.

and former President is prone to rambling rants and going off on tangents, and is often bullying and rude, which many voters likely find distasteful.

As an opinion and the control of th

ers likely find distasteful.

As an opinion article in *The Boston Globe*said: "Harris should call out Trump's 'alpha
male' behaviour. Harris might consider saying... Donald, you've always been tough on
those you perceive as vulnerable and weak st dictators and tyrants.

Choosing their issues

The moderators from ABC News are expected to ensure that no single issue gets disproportionate airtime; however, both Harris and Trump will try to talk more on topics in which they poll better. Whoever is able to make their pet issue the most memorable moment of the debate will likely be declared the winner on Tuesday.

For Harris, this would be abortion and reproductive rights — something that Trump has vacillated on, Polls indicate women cutting across racial lines care deeply about this issue, and their support — especially that of women who have traditionally voted Republican — will be crucial for Harris.

Tump will focus on immigration and the state of the economy under Biden. Both aretop issues for voters, and Harris' association with the Biden administration is seen as a liability.

Role of rules in debate.

Role of rules in debate

Harris and her aides feel handcuffed by the debate rules negotiated between Biden and trump earlier this summer, Politico re-ported on Saturday, "Trump's worst mo-ments in the debates are when he gets up-set and snaps...And they have neutered that," a Harris aide told Politico.

Under the rules, candidates' mics will be muted when their opponent is speaking. This will mean no interruptions or interjections—something commentators say Harris, a former prosecutor, would have liked, also given Trump's tendency to talk over others.

The rule was apparently intended to "protect" Biden, and the campaign is now "stuck with it", a national Democratic strategist told Politico.

Short campaign, high stakes
The era of televised debates began with
the famous Nixon-Kennedy face-off of 1960,
which helped propel the latter to national
stardom. Since then, most experts agree, debates in and of themselves have rarely moved
the needle in presidential elections. Even
gaffes and bloopers by candidates have often been peripheral to the eventual outcome.
Things may be different this time. Harris
entered the race just about a month ago, and
the shortness of her campaign automatically
raises the stakes for each debate, public appearance, and interview. Biden's late with-

pearance, and interview. Biden's late wi drawal has forced Trump to make some justments in his campaign as well, based or his assessment of the strengths and weak

EXPLAINED CULTURE

SAKTHAN THAMPURAN AND HIS IMPORTANCE TO THRISSUR

ANAGHA JAYAKUMAR

MINISTER OF State for Tourism and Thrissur MP Suresh Gopi on Saturday pledged to replace a statue of Sakthan Thampuran that was knocked over by a state transport bus in June by a new bronze statue if the Kerala government did not do so within 14 days

Sakthan Thampuran

Raja Rama Varma Kunjipillai or Rama arma IX, better known today as Sakthan Varma IX, better known today as Sakthan Thampuran, nuled over the Cochin king dom from 1790 to 1805. He was born in 1751 to Ambika Thampuran and Chendose Aniyan Namboodiri of the Cochin royal family, but was raised by an anut who called him Sakthan, meaning 'powerful'. The word thampuran is believed to be an appropriation of the Sanskrit samrar, meaning emperor. The Cochin kingdom, which was part of the Late Chera Empire, covered the regions between Ponnan in Malappuran and Thottappally in Alappuzha in today's Keck Cochin Royal Family: Tracing the Journey of Fertal A. (Ashalatha Thampuran, History of Fertal Cochin Royal Family: Tracing the Journey of Perumpadappu Swarupam, 2019)

of Perumpadappu Swarupam, 2019)

Strategist and ruler

Sakthan Thampuran became heir apparent in 1769 as an 18-year-old. He advised his king to maintain friendly relations with both the Dutch and the English, who were vying for a larger share of trade in the region.

Sakthan is said to have orchestrated Mysore's attempt to invade the Travancore kingdom, which had established relations with the English East India Company. This would result in the Powney treaty which freed the Cochin kingdom from its allegiance to Mysore, and helped formalise its relations with the British Sakthan Thampuran put an end to the institution of the Yogiatririppads — the



Thrissur and Pooram

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Thrissur and Pooram

Sakthan Thampuran transferred the seat of the Cochin kingdom from Thrippunithura to modern-day Thrissur. The Thekdeinkadu Maidanam and the surrounding Swarag Round became the basis for the city's elaborate road system and infrastructure.

The king encouraged merchants of all religions and British officials to relocate to the city. He also overhauled and firmed up the kingdom's finances, personally overseeing revenue management.

Sakthan Thampuran started the Thrissur Pooram in 1797 as an alternative to the Arattupuzha Pooram, then the largest temple festival in the state. The Thrissur Pooram was conceived as an opportunity for the major temples in Thrissur to come to pay their respects to Lord Shiva, the presiding delty at the Vadakkumnathan Temple.

erstwhile spiritual heads of the Vadakkumnathan and Perumanam temples, who had conspired against the previous Cochin king in his wars against the Calicut Zamorin — and entrusted temple management to the government.

He built a fearsome reputation for himself, and is said to have largely freed his kingdom of crime.



What vaccines are being used?

Three mpox vaccines are available currently. All are weakened versions of vaccinia, a live virus that also served as the basis for the smallpox vaccine.

Virologist Dr Gagandeep Kang told The Indian Express, "Both smallpox and mpox belong to the same family of viruses. Mpox is less severe and has lower case fatality rates but is spreading fast because it has animal reservoirs, which smallpox did not have."

The most commonly used vaccine is modified vaccinia Ankara (MVA), manufactured by Denmark-based Bavarian Nordic, It

Short campaign, high stakes

EXPLAINED HEALTH

Vaccines for mpox

DRC, epicentre of the global mpox outbreak, has received the first vaccines nearly a month after the WHO declared the infection a global health emergency. Why the delay? What vaccines are being used?

ANURADHA MASCARENHAS

THE DEMOCRATIC Republic of Congo (DRC)epicentre of the mpox outbreak that has be-come virulent and spread to other countries – has received its first donation of mpox vaccines

has received its first donation of mpox vaccines. Since January 1, 2022, mpox cases have been reported from 121 countries, including 20 WHO member-states across Africa. As of September 5, 2024, a total 1,30,408 labora-tory-confirmed cases, including 229 deaths, have been reported from across the world since January 1, 2022. On Monday, India con-firmed tis first mpox case, which was a travel-related infection.

firmed its first mpox case, which was a lawer-related infection.

Despite the surge in the number of cases, vaccines have been in short supply in Africa. Apart from DNC, the only other African coun-try to have any mpox vaccine is Nigeria. That is one of the main reasons why mpox spread rapidly, prompting the WHO to declare the in-fection a global health emergency last month.

Why is the spread of mpox a concern?

Mpox, which was first reported in humans in 1970, has come under the spotlight largely due to the spread of its new clade lb variant.

Organisms belonging to a clade share common ancestors. When it comes to mpox, there are two different clades: clade land clade ll; the former is the deadlier of the two.

Clade lb seems to be transmitting more rapidly between people than previous variants, including through sexual activity. Clade la mostly comes from animals, according to a report in the journal Nature. The new variant is also affecting more women and children in the impacted African countries. Scientists are still trying to determine the reasons behind these aspects of the transmission.



MPOX VIRUS

CLADES DETECTED

Clade Ia Clade Ib Clade II Clade Ia and Ib

Clade Ia and II Clade Ib and II No case reported

has approval for mpox from both the US Food and Drug Administration (FDA) and European Medicines Agency (EMA). The DRC has received this vaccine.

The other vaccine is LC16m8, which is produced by KM Biologics, a company in Japan. Only Japan's regulatory authority has approved this vaccine for mpox.

The third is ACAM2000, which is made by a US company. Emergent BioSolutions, It was approved for mpox by the FDA last month. New mpox vaccines are also being developed. A vaccine by BioNTech, a German biotechnology company, is currently in early clinical development, Dr Kang said. Punebased Serum Institute of India (SI) has announced it is developing an mpox vaccine, and bopes for a positive outcome within a year.

The Indian Council of Medical Research (ICMR) last week called for experienced pharmaceutical companies and research organisations to "collaborate on royalty basis" for developing mpox vaccine and diagnostic lists.

Why did Africa not get vaccines sooner? The currently available mpox vaccines are too expensive — \$50 to \$75 per dose, accord-

ing to the WHO — for African countries. As a result, they have to usually rely on direct donations by developed countries and vaccine producers, and on purchases by Global Alliance for Vaccines and Immunization (Gavi, the Vaccine Alliance) and UNICEE.
Gavi and UNICEF cannot bely vaccines uncless the WHO issues an Emergency Use listing to products or gives them full approval, according to a report in the journal Science. To get these, companies have to submit efficacy and safety data about their products. Some experts have said the WHO has been too slow in giving such approvals. However, WHO Director-General Tedros Adhanom Ghebruyesus said last month that the delay was due to the companies failure to complete the required paperwork. "WHO would give its stamps of approval within weeks, he promised, adding that he had given Gavi and UNICEF permission to start the purchasing process in the meantime," the Science report said.

Dr Raman Gangalebedkar, former head of Epidemiology and Communicable Diseases at ICMR, told The Indian Express, "High-income countries have their own drug regula-

■In Nigeria and other countries of West, Central and East Africa where mpox is endemic, mpox risk is assessed as moderate.

WHO'S LATEST RISK ASSESSMENT, AUG 2024

■ In the eastern Democratic Republic of the Congo and neighbouring countries, the overall risk is assessed as high.

tors and rely on them. Low and middle-in-come countries are dependent on clearances by the WHO, which is risk-averse." Another reason is that during previous mpox outbreaks, the number of cases re-mained quite low. Many African countries did not ask for mpox vaccines as health offi-cials had to tackle far more serious health problems in the region. Gangakhedkar, however, said that the WHO and the developed world should have encouraged the sharing of smallpox vaccines earlier to protect people against a more vir-ulent disease. "Preventive strategies and sur-veillance are justs as crucial so that there is no veillance are just as crucial so that there is n vaccine inequity in places that need it most.

When should one take the vaccine? When should one take the vaccine?
Getting a vaccine is recommended for a high-risk population, especially during an outbreak. The vaccine can also be administered after a person has been in contact with someone who has mpox. In these cases, the vaccine should be given less than four days after contact with an infected person. The vaccine can be administered for up to 14 days if the person has not developed symptoms.

Why apex court intervened in Himachal Pradesh HC collegium's decision

AJOY SINHA KARPURAM

THE SUPREME Court has directed the

THE SUPREME Court has directed the Himachal Pradesh High Court collegium to consider again the names of two judicial of-ficers it had first recommended for eleva-tion to the Bench 21 months ago. The unusual direction came after the af-fected individuals moved the SC against the HC collegium's decision to recommend two other names for judigeship. The SC has previ-ously placed strict limits on when it can re-view HC decisions relating to the apopiniview HC decisions relating to the appoint-ments of judges. On Friday, a Benchof Justices Hrishikesh Roy and P K Mishra decided the current case fell within the scope of review.

What is the procedure for appointing

The ruling made the recommendations of the SC collegium binding on the Centre, giving the power to appoint and transfer judges of the higher judiciary to the judiciary. Under orthe nigner judiciary to the judiciary. Under the collegium system, judges – the government can delay appointments, but cannot reject the collegium's choice. In 1998, the SC clarified how the collegium system would function, (Third Judges Case).

laid down by a nine-judge Benchof the SC in Supreme Court Advocates-on-Record Association vs Union of India (1993), com-

monly known as the Second Judges Case.

The court said that collegiums for HC ap pointments would include the Chief Justice of India (CI) and the two seniormost judges of the SC. This collegium would be required to consult the "Chief Justice and senior judges" of the HC concerned, the "seniormost" SC grounds on which a recommendation could be challenged. First, if there was lack of "ef-fective consultation" with any of these individuals or institutions. Second, if the candi-date in question was not "eligible" to be a judge — these qualifications are laid down in Articles 217 (for HCs) and 124

(for SC) of the Constitution, Later in 1998, the Centre and SC entered into a Memorandum of Procedure (MOP) which detailed the process, from the

ing, for the appointment of HC judges beginning, for the appointment of Hr. Judges.
As a part of this process, the Chief Justice
of the HC must consult two other seniormost judges at the HC — together forming
the High Court collegium — and send their
recommendations, with reasons, to the
Chief Minister, the Governor, and the CJL who will conduct a background check and send the entire material to the CJI, who will consider it with the rest of the SC collegium.

what happened in the Himachal case?

In Becember 2022, the then HC collegium comprising the Chief Justice and two sens from the of HC judges. Chief Justice ther senior- her forming takend the House and the Chief Justice ther senior- her forming the send their loss he made for Singh and Mallhotra. However, on April 23, the HC collegium recommended the Chief Justice for "reconsideration", On January 46, the Union Law Minister wrote to the HC Chief Justice, requesting that fresh recommendations to made for Singh and Mallhotra. However, on April 23, the HC collegium recommended two other judicial officers for many the HC collegium recommended two other judicial officers for singh and Wallhotra.

recommended two other judicial officers for

ionity (as the two seniormost district judges in the state) by not first considering them again before recommending two others officers. The SC had in both the Second and Third

The SC had in both the Second and Third Judges cases highlighted the importance of considering seniority among judges while making recommendations for appointments. In a report submitted to the SC by the Registrar General of the Himachal Pradesh HC, it was revealed that the HC Chief Justice had written to the SC collegium on the 'suit-ability' of a nonoting the bay in whick all offiability" of appointing the two judicial offi-cers on March 6, 2024. The HC argued that this was in "full compliance" of the SC col-legium's January 4 resolution, which was addressed only to the HC Chief Justice.

What did the SC decide?

MAINTAINABILITY: The SC first decided

judges cases, the court held that this case wa limited to whether there was "effective con sultation" after the SC collegium's January resolution, and had "nothing to do with the

'merits'...of the officers in question".

PROPER PROCEDURE: The second iswas whether the HC Chief Justice individ-

sue was whether the H.C. Chel Justice individually sending a letter (on March 6) could qualify as "effective consultation".

The court held that even though the SC collegium's January 4 resolution was addressed to only the H.C. Chief Justice. "the language therein by itself cannot be understood as permitting the Chief Justice... to act on his own, in matters of recommendation or reconsideration for elevation to the H.E. Bench!"

consideration, for elevation to the HC Bench". The court ruled that the decision must be made only after "collective consultation amongst the three Constitutional functionar-

"The social goods associated with markets — above all the economic growth to which Sir Keir and Rachel Reeves have pinned the nation's hopes — must be balanced with values of care, respect for life and a sense of responsibility in those with power over others."

— THE GUARDIAN

The books our children need

There has been an improvement in the quality, range of children's literature in India. But more needs to be done to turn the fledgling gains into a much-needed cultural movement



BY YOGENDRA YADAV

LAST MONTH, I received a beautiful gift: An LAST MONTH. I received a beautiful gift: An exquisitely designed, produced and packaged box of Samay Post', containing 14 children's books written by Gulzar with fabulous illustrations by Allen Shaw. Most people don't know that our renowned lyricist-poet is also one of the finest storytellers for children. My favourites in this series are the nonsensical rymnes in Upptaring (which reminds one of Sukumar Ray's Abol Tabol) and Ye Kawe Kale Kale that demystifies how the crows took their colour. This latest offering from Ektara (Imporitis: Usunu) was no execution.

(Imprint: Jugnu) was no exception. Earlier, too, I was captivated by the range and quality of their publications for children and quality of their publications for children—
and quality of their publications for children—
story books and short novels besides Phino
and Cycle magazines—at their stall at the last
World Book Fair. This was a marked improvement over the days when my wife and I desperately searched for quality influian books for
our two children, now 25 and 20, so that they
do not become monolingual English—speaking kids, cut off from their Bengali and Hind
heritage. We found that Hindi publications
then were only a wee bit better than my childhood staple of bland and text-heavy stories
of Alchar-Birthal, Chacha Chowdhary, Tenali
Ram and Panchatantra or comics like Vetalor
Amar Chitra Katha (an occasional glossy
Soviet book was a boms) and magazines like Soviet book was a bonus) and magazines like Soviet book was a bonus and magazines like Champok, Parag and Lotpot. We discovered that the two public sector publishers, the National Book Trust (NBT) and Children's

National Book Trust (NBT) and Children's Book Trust (CBT) had some decent titles—like Rupe Haarhi by Mickey Patel — for our children. Occasionally, we found some quality books by independent publishers.

Malu Bhair by Kamia Bhasin renamine Rowarties bedfilms story for both of our kids. They discovered Tulila Books through Rkir Dokki, a lovely folictale from Maharashtra and audiobooks of Karadi Tales through the valour of "Raja kapi", the monkey king, Katha Books brought for them tales from other Indian languages. But we had to hunt for these new publications. Such exceptions asside, the general quality of storytelling, illustrations and production of children's books in India did not stand up to the competition of indiands and stand up to the competition of stand up to the competition of the competit in India did not stand up to the competition from Europe and America.

in India did not stand up to the competition from Europe and America.

This was a pity in a country with a rich oral and written heritage of mythologies and storytelling. We found to our shame that none of our books were a patch on The Gruffalo or other books by Julia Donaldson. We finally lost this cultural battle to Harry Potter. Feluda's adventures at the Colden Fortress were overtaken by the witchcraft at Hogwarts. If the quality of hilders' literature is a measure of the quality of hilders' literature is a measure of the quality of hilders' literature is a measure of the quality of of hilders' literature had only of the pioness of the pew awe of children's books, one of the pioness of the pew awe of children's books, to see if the state of children's literature had changed from those times, Indeed it had had changed from those times, Indeed it had had changed from those times, Indeed it had

had changed from those times. Indeed it had, Building on the success of early publications like Ikki Dokki, Tulika now has a large collec-tion of a thousand-plus titles across nine lan-guages. Tulika founder Radhika Menon gave



me an overview of the big changes in chil me an overview of the big changes in chil-dren's books in India, mainly those published in English, Besides some big global names, it is mainly small and independent publications (like Elstara, Eldavya, Pratham, Katha, Karadi Tales, Tara, Pickle Yolk, Duckbill and Talking Cub) that lead a new wave of experimental and innovative trends in children's literature that reflect Indian ethos and reality. A recent vokume Children's Books: An Indian Story, edited by Shallaja Menon and Sandhya, Rao, helps us go beyond anecdotal evidence and see the big picture of this new trend. The last three decades have seen a sudden expan-sion in the sheer volume of children's books:

sion in the sheer volume of children's books, as of publishers, authors, flustrators, etc. The readers have expanded too, as there is a class now that can afford to go beyond textbooks. There is also a wider range of gennes including graphic novels and age group-specific books, including young-adult literature. And there is a discernible improvement in the quality of design, translation and production. At the same time, the two editors conclude that "given India's large, diverse and multilingual character, both the production and consumption of children's books are mere drops in terms of actual needs".

Children's books (other than textbooks) amount to just about one per cent of all books amount to just about one per cent of all books. sion in the sheer volume of children's books

Children's books (other than textbooks) amount to just about one percent of all books produced in India. Their producers and con-sumers are still largely "middle" class (a eu-phemism for the top 10 percent) and "upper" caste urban indians. It is hard to make a career out of writing for children. This market is still out of writing for children. This market is still dominated by imported or Western books, poorly produced adaptations of mythological books and novelty or activity books. For me, the most concerning part is that much of this upsurge is limited to Benglish. Hindi is a partial exception, Besides Ektara, Eklavya (the publisher of Chakmak magazine) has moved beyond educational publications to open their "Pitrara" of imaginative story and picture books. Pratham Books, Katha and Tulika offer good Hindi books as a part of their titles in multiple languages, I believe the state of afairs is poorer in other Indian languages despite a strong legacy (of Gipblashi Badheka in spite a strong legacy (of Gijubhai Badheka in Gujarati), famous writers (like Sukumar Ray in Bengali) and movements (like KSSP in

Children's books (other than textbooks) amount to just about one per cent of all books produced in India. Their producers and consumers are still largely "middle" class (a euphemism for the top 10 per cent) and

"upper" caste urban Indians. It is hard to make a career out of writing for children. This market is still dominated by imported or Western books, poorly produced adaptations of mythological books and novelty or activity books. For me, the most concerning part is that much of this upsurge

non-existent in other languages, except for oc-casional pieces in children's magazines that most languages still have. We may have now reached a tipping point. This fledgling new wave of children's books can be consolidated into a cultural movement that can open up a better future for coming generations. Here are four things you and I can do to make this happen.

generations. Here are four things you and I can do to make this happer. First, as parents, we can buy books for children, use books as birthday presents and "return gifts". We can focus our purchase on Indian books, not for any nationalist reason but for the simple reason that children relate better to books that reflect their own lived excessors.

blooms to books, not an any hatomash reason but for the simple reason that children relate better to books that reflect their own lived experiences, But buying books is not enough. We must read books to and with children. And ensure that children read books in their "mother tongue", the Indian language spoken at home and in the locality, Remember, children are better learners. Second, established authors can write more for children. This is not a lower, simpler or didactic form of literature. Vinod Kumar Shukla, arguably the leading Hindi writer of our times, shifted his focus to writing for children and young adults. Others can follow his lead.

Thind, "civil society" and private philanthropy can support this effort by subsidising the cost of producing quality books in Indian languages, supporting workshops for book writing and fellowships to authors and illustrators for books. The Sahitya Akademih has instituted Bal Sahitya Puruskar, but we also need hundredsof awards to be instituted in every language, supports of children's books. I hope Panjabi, Telugu, Tamil and Bengali NRIs who are nostagic about their language are reading this. Finally, the government can step in with well-funded programmes on public libraries and bulk purchasing of quality children's books. Karnataka's Revitalisation of Rural Public Libraries could serve as a model for the rest of the country, especially Hindistates that lag in the culture of public libraries. If a fraction of the money spent on free textbooks is devoted to supplying colourally and joyful stockooks in devoted to supplying colourally and joyful stockooks.

ag in the cutture of public infrares, it a ma-tion of the money spent on free textbooks is devoted to supplying colourful and joyful sto-rybooks to school libraries and anganwadis, we could serve our future generations better.

A win-win for academia, industry

Anusandhan National Research Foundation is a crucial step towards becoming a knowledge-driven society



AJAI CHOWDHRY

ON JULY 23, 2024, Finance Minister Nirmala Sitharaman's announcement of operationalising the Anusandhan National Research Foundation (ANRF), a move that was five years in the making since its first mention, was a pivotal moment for India's research ecosystem. Established under the ANRF ACT, 2023, 3

the foundation aims to fund, coordinate, and promote research across India's uni-versities and colleges, which have long suf-fered from a lack of infrastructure, particu-

fered from a lack of infastructure, particularly in state-un institutions. This initiative is a crucial step in pushing India towards becoming a knowledge-driven society, following the model of research powerhouses like the US, Germany, South Korea, and Israel.

One of the primary goals of ANR is to address the infrastructure gap in state and central universities, where 95 per cent of students are enrolled but research capabilities are often non-existent. The foundation aims to facilitate timely disbursal of funds, reduce bureaucratic hurdles, and foster in-dustry-academia collaboration. With a to-dustry-academia collaboration. reduce bureaucratic hurdles, and foster in-dustry-academia collaboration. With a to-tal budget of Rs 50,000 crore over five years, the government's contribution is Rs 14,000 crore, while the rest must be raised from non-governmental sources like industry and philanthropists. This approach mirrors the successful model in the US, where much of R&D funding comes from the private sector.

the successful model in the US, where much of R&D funding comes from the private sector.

Inspired by the US National Science Foundation (NSF), ANRF aims to create a similar ecosystem where high-risk, cut-ting-edge research can flourish within academic institutions. In the US, once a proof-of-concept is established in academia, industries often step in to further develop the technology, creating a win-win scenario for both academia and industry. Universities in the US have excellent technology transfer offices, which help faculty set up companies and consult for industries, and this is something ANRF aspires to replicate in India. By creating these frameworks, ANRF can ensure that academia remains a hub for innovation while industry benefits from cutting-edge technology ready for commercialisation.

The decision to bring ANRF into action aligns well with the goals outlined in the National Education Policy (NEP) 2020, which

emphasised the need to make India a knowledge-based economy. Given that India has ower 4.3 crore students spread across 1,168 universities and 45,473 colleges, it is essential to bridge the gap between teaching and research. Centrally funded institutions like ITS and IMS, though pressigious, erroll less than 1 per cent of the total student population. ANRF seeks to address this "missing middle" by supporting state universities and other underfunded institutions, thereby democratising access toquality research infrastructure.

Coordination is another crucial challenge that ANRF aims to tackle. Currently, several ministries, including defence, agriculture, and health run separate RRD programmes, often leading to duplication and inefficiency. ANRF will serve as a coordinating body, ensuring that resources are used efficiently and R&D efforts across sectors are aligned. This streamlined approach is expected to make India's R&D landscape more cohesive and impacting.

The reliance on non-governmental funding is a bold yet necessary move for ANRF. Industry participation ensures that research aligns with marker needs, while philanthropists can drive research in social or public good areas. By involving industry, India can address current R&D funding challenges, such as general financial rules (GFR) and cumbersome paperwork, which often delay the release of funds and stifle innovation.

ANRF's focus on supporting lower Technology Readiness Levels (TRLs) is also emphasised the need to make India

ANRF's focus on supporting lower Technology Readiness Levels (TRLs) is also vital. Academic institutions are better suited for this stage of research, where cap-ital requirements are lower, failure rates are higher, and students can contribute signifhigher, and students can contribute signifi-ciantly to long-term projects. The govern-ment's recent announcement of a Rs 1 ladh-crore corpus for higher TRL nesearchin Focused Research Organisations (FROs) and deep-tech startups complements ANRFs efforts. Together, these two initia-tives aim to cover the entite spectrum of research from basic to industry-driven development, creating a comprehensive RAD ecooystem.

R&D ecosystem.

ANRF is undeniably a step in the right direction. The move is a major leap forward for India's research capabilities, drawing inspiration from global best practices while addressing the unique challenges of India's higher education and research system. With the right obsecution, ANRF has the potential to position India as a knowledge-driven economy, againg the way for susdriven economy, paving the way for sus tainable and inclusive development.

The writer is Founder HCL, Chairman, Mission Governing Board, National Quantum Mission

LETTERS TO THE EDITOR

Perseverance is key

PERSEVERANCE IS KEY
THIS REFERS TO the editorial, 'Building
on success' (E. September9) The prestigious science journal Nature has
righthy haided the success of the Swachh
Bharat Mission (SBM), Reientless and
continuous efforts to make areas Ope
Defecation Free (ODF) have yielded
long-term positive results, bringing
down infant deaths. By making SBM a
mass movement and roping in celebrities to spread the message, the government has created an impactful, effective campaign. Similar endeavours to
provide clean piped water to households are also critical moves towards robust health. As the editorial points out,
it is not so much about the annual statistical data pertaining to such programmes, as their long-term, visible effects. Perseverance here is the key.

Vijal Pant, Hempur

LEARN FROM CHINA

LEARN FROM CHINA
THISREFERS TO the report, India generates highest plastic pollution in world'
(IE, September 9). The conclusion of the latest research comes as no surprise given the increasing use of plastic in our daily lives. Even the two-year-old ban on single-use plastic appears to have stagnated. Corruption, bureaucratic incompetence, and a lack of political will contributed to regulations being largely ineffective. China, the world's largest producer and consumer of plastic, banned USP the strength of the strength

e consume. Kamal Laddha, Bengaluru

THIS REFERS TO the article. September 9) Questioning the patriotism of those who hold power to account is at odds with the ideals of our national movement. There is a presing need to remind ourselves that the foreign tyrants, who were intolerant of any criticism, are long gone, and we are blessed with the right to freedom of speech. Though a remark critical of the ruling dispensation may make it uneasy, it cannot be termed "anti-national". People in power rushing to describe any criticism of themselves or their policies forget they were critical of the then government while in Opposition. Was their hitting out at the then government an unpatriotic act? To demand unquestioned loyally from the citizenty is detrimental to demoracy, By doubling its critics loyally to the nation, the government is resorting to its time-tested trick to hide its failure in fulfilling the promises made to its electorate.

SH Quadri, Bikaner

WHY BAN THE FILM?

THIS REFERS TO the editorial, 'Let it play September 9). The Emergency days re traumatic for all sections of soci-(III., September 9). The Emergency observed in the served over the depiction of their community shouting prothes are served over the depiction of their community shouting prothalistan slogans and killing Hindus. The CBFC must certify the film with the necessary cuts. Padmarowt was subjected to several changes by the CBFC as a means of pandering to Raiput sentiments. The film, Udta Punjob, was certified with just one cut of a seene. If the film on Kashmir was justified in saying that such painful episodes should not be whitewashed; then why ban Emergency?

SSPaul, Nodio

By withholding refuge

India's unwillingness to give asylum to Bangladeshi Hindus signals a policy shift

is limited to English. Hindi is a partial exception.

DEEPAK K SINGH

WHEN SHEIKH HASINA dialled New Delhi on August 5, with a frantic appeal to be allowed into Indian territory, the Government of India's decision to allow her safe passage was, perhaps, the only available option under the circumstances. What weighed in favour of the Centre's decision to allow Hasina into the country was, no doubt, her unambiguously warm and friendly relationship with India over the years, and her crusade against religious extremism and terrorism, resulting in a severe crackdown on anti-India militant outfits operating from Bangladesh. In sharp contrast, its subsequent decision to deray asylum to the persecuted Bangladesh in miority Hindus in India goes against its consistently held position of making India the "natural home of persecuted Hindus around the world". Reported of making India the "natural home of persecuted Hindus around the world" and academics being racially profiled. Reportedly, there have been as many as 205 cases of attacks on members of the minority communities in Bangladesh and the "natural protry communities in Bangladesh and some stacks, with five confirmed cases of deaths. Neem Chandra Bhowmik, president of Bangladesh Hindu, Buddhist, Christian Unity Council in an Interview (*5 dead, 200 incidents: Fear grips Hindus in Bangladesh, leaders meet Ymus today, IE. August 14) said: "We have been getting reports of vandalism, intim-WHEN SHEIKH HASINA dialled New Delhi on

idation and threats on telephone from 52 of the 64 districts; the situation is dynamic, we are constantly trying to verify them."

The denial of refuge to the persecuted minority groups is also inexplicable given the fact that it is the same government that had recently enacted the controversial Indian Clitzenship (Amendment) Act, 2019. The CAA, which is a law of the land now, allows members of religious minorities — the Hindux, Buddhists, Silots, Jains, Pariss, and Christians from Afghanistan, Bangladesh, and Palistan who came to include before December 31, 2014—to apply for the grant of Indian citizenship on grounds of religious persecution in their respective countries. While the central government might find itself hamstrung by its own cut-off date in extending the benefits of such a law, it could still have granted temporary refuge to the beleaguered Bangladeshi minorities seeling asylum. So out of syncwith its stand is the current practice that some vecal pro-BIP supporters have begun asking why the government is not accepting the persecuted Hindux despite mounting evidence of attrocties against them.

However, the likelihood of granting refuge to the persecuted minority Hindus, about whom much concern is being expressed by government functionaries as well as members and supporters of the NDL is rather slim. As evident from the official Indian government's response posted on X by Home

Minister Amit Shah, "In the wake of the ongo-ing situation in Bangladesh, the Modi govern-ment has constituted a committee [instead] to monitor the situation in the strife-torn country and along the India-Bangladesh bor-der. The committee will maintain communi-cation channels with their counterpart au-thorities in Bangladesh to ensure the safety and security of Indian nationals, Hindus, and other minority commandites living there. The committee will be headed by the ADC, Border Security Force, Eastern Command." Reportedly, the government has depoleyed BSF personnel at the land borders who have "peacefully folied" an attempt by hundreds of peacefully foiled" an attempt by hundreds of langladeshi Hindus to enter India. Denying persecuted Hindus, as well as

Denying persecuted Hindus, as well as other minority groups, a reliuge in India flies in the face of its otherwise impecable track record of being a generous host to reliugees. The spate of recent attacks on minorities in Bangladesh constitutes solid legal ground for the grant of asylum even though India is not a signatory to the 1951 UN Convention Relating to the Status of Refugees or its 1967 Protocol. Not being a signatory does not absolve India of its commitment under customary international law to extend the much-needed succour to hapless asylum seelers.

Further, granting refuge to persecuted religious minorities from Bangladesh would have only been in line with India's have that keep the properties of the properties

of the parties ruling at the Centre. India had extended asylum to 10 million East Pakistani refugees in the wake of the liberation struggle in the erstwhile East Pakistan, an over-whelming majority of whom had returned to their homes in the newly independent Bangladesh, India was not a signatory of the 1951 Convention then as well. This time around, the number of Bangladeshi nationals seeking refuge was much smaller, running into a few thousand. The difference in the historical contexts between then and now is also evident. That India could afford to host such a large number of refugees then without much international aid and despite being a poor development of the properties of the supplements of the properties of the pro That India could afford to host such a large number of refugees then without much international aid and despite being a poor developing country was universally hailed as a wed-come, practice, and sensitive gesture towards people in desperate need of help. Much before this, India had also welcomed the Tibetan, Chakma, and other smaller groups of refugees. Given such a backdrop, India's current unwillingness to host religious minority groups signals a major policy shift. Considering the political instability in India's neighbourhood, a hardened stance on refugees could have significant humanitarian costs and also diminish India's stature internationally.

The writer is is professor, Department of Political Science, Panjab University, Chandigarh and author of Stateless in South Asia: The Chakmas between Bangladesh and India

Smart industrial cities

A blueprint for sustainable economic growth

In he world is stepping into a new phase of industrialisation. Popularly known as Industry 5.0, this phase will see humans and machines working together, improving the efficiency of industrial production manifold. It is therefore commendable that the Centre plans to set up 12 Smart Industrial Cities under the National Industrial Corridor Development Programme. India's manufacturing sector, which currently contributes 17 per cent to GDP, is targeted to grow to 25 per cent, driven by the Make in India' initiative. The government also has a goal of increasing exports from 10-11 key sectors, including automobiles, space, medical devices and textiles, to \$1 trillion by 2030. The proposed smart industrial cities will play a crucial role in transforming our ambitious vision into reality.

These smart industrial cities are not just about industrial expansion — they are a blueprint for India's future. The strategic location of these proposed cities in regions beyond the traditional metro hubs will ensure that the roots of economic development will spread evenly across the nation. This shift is critical, as it moves away from the concentrated development of the sort that was limited to certain

past that was limited to certain urban regions and opens up opportunities in Tier 2 and Tier 3 cities. Regions like Gaya in Bihar and Zaheerabad in Telangana are poised to become the new centres of economic activity, fostering balanced growth and reducing regional disparities.

ENHANCED JOB CREATION
One of the most significant impacts will be on India's demographic dividend. With over 25 lakh youth graduating every year, there is a need to ensure employment, which will direct their knowledge for the nation's growth. At the same time, the existing workforce needs to be reskilled and upskilled to prepare them for the transition to Industry 5.0.

them for the transition to Industry 5.0.

The smart industrial cities will not only create millions of direct and indirect jobs but will also play a crucial role in upskilling and reskilling the workforce. These cities are designed to be hubs of innovation and learning, where our talent can be trained to adapt to new technologies.

new technologies. The focus on infrastructure in sese cities extends beyond just



industrial setups. By integrating "plug and-play" infrastructure, they will drastically reduce the time and effort required to establish a new manufacturing unit. This innovative approach will make India an attractive destination for both domestic and international investors. With operations set up swiftly, businesses can drive productivity and economic output at an accelerated pack. With climate change on the world's agenda, the smart industrial cities will be designed with sustainability at its core. The inclusion of effluent treatment plants, recycled water systems, and green energy sources to reducing environmental impact. The modern approach to urban planning in these cities will also include the "wall-to-owork" concept. By integrating residential areas with industrial zones, these cities will create environments where worf-life balance is a reality, not just a concept. This, in turn, will lead to higher productivity and a more satisfied workforce.

The rapidly growth where worf-life balance is a reality, not just a concept. This, in turn, will lead to higher productivity and a more satisfied workforce.

The rapidly growth growth is the sector is an opportunity to contribute to the development of these smart industrial cities. The space sector can participate by secting up advanced production, and related high-tech industries. Additionally, the use of planning and the conduction of the co

these industrial hubs.
These will send a powerful signal to global investors that India is ready for modern industrialisation. The strategic placement of these cities along major highways, ports and airports to ease connectivity with integrated Dedicated Preight Corridors will frame them as hubs of global trade and commerce.



he recent controversy surrounding Madhabi Puri Buch, the chairpress on of the Securities and Exchange Board of India (SEBU), has brought to the forefront a crucial issue that plagues India's regulatory ecosystem: the absence of a comprehensive and enforceable code of conduct for chairpersons and members of regulatory bodies. Allegations against Buch, which include, among others, receiving rental income from a firm linked to a pharmaceutical company under SEBI investigation, have raised questions about conflicts of interest and the integrity of India's capital market regulator.

While the Congress party has called

questions about commics of interest and the integrity of India's capital market regulator.

While the Congress party has called for an independent probe, the broader issue at hand is the need to establish clear, transparent, and enforceable ethical guidelines for those who hold positions of power in regulatory bodies such as SBH, the Reserve Bank of India (RBI), the Insurance Regulatory and Development Authority (RBAI), the Competition Commission of India (CCI), the Pension Fund Regulatory and Development Authority (RPRAI), the Competition Commission of India (CCI), the Pension Fund Regulatory and Development Authority (FPRAI) and others. These bodies hold the mandate to regulate vast sectors of the economy, ensuring their smooth functioning, transparency, and accountability. When their leadership is alleged to be compromised, even by the appearance of impropriety, the consequences ripple across the economy, affecting investor confidence, market stability, and public uses in the regulatory framework.

COMPREHENSIVE CODE

COMPREHENSIVE CODE

COMPREHENSIVE CODE
Regulatory bodies in India wield
immense influence over financial
markets, competition regulation,
corporate governance, and consumer
protection. They are entrusted with
safeguarding public interest by ensuring
compliance with laws, maintaining
market integrity, and upholding fair
practices. However, the trust that the
public, businesses, and the government
place in these bodies rests heavily on the
perception of their impartiality and
independence. A formal and enforceable
code of conduct for chairpersons and
members of these bodies would serve as
a critical tool in maintaining the
integrity of these institutions.
As the current SEBI controversy
illustrates, conflicts of interest —
whether real or perceived — are among
the most serious threats to regulatory
integrity. Chairpersons and members of
regulatory bodies are privy to
confidential information and have
significant influence over key decisions.
A robust code of conduct must mandate
full disclosure of financial interests,
previous associations, and any
relationships that may create a conflict.

full disclosure of financial interests, previous associations, and any relationships that may create a conflict. Furthermore, it should include mechanisms for recusal in cases where such conflicts exist. The mere act of transferring investments to a spouse, as



Needed, a code of conduct for regulatory chiefs

NET EFFECT. This will address conflicts of interest and preserve institutional integrity

alleged in Buch's case, is insufficient to issue a clean chit. Financial transparency must be absolute. Regulatory leaders often come from backgrounds in banking, finance, civil services or industry, where they may have accumulated wealth, shares, or property. This creates potential conflict when they are tasked with regulating sectors in which they have financial stakes.

stakes.
A comprehensive code should set strict guidelines on financial conduct, including the mandatory divestment of holdings in regulated entities, restrictions on receiving income from entities under regulation, and even post-retirement cooling off periods. Such measures would align India with global best practices, where regulators are required to sever financial ties with industries they oversee.

REGULATORY CAPTURE

REGULATORY CAPTURE
Regulatory apture occurs when those
tasked with regulation act in the interest
of the entities they are supposed to
regulate rather than the public good,
India's regulatory bodies have often
been criticised for their leniency
towards big corporations and industries
with substantial political influence. A
well-defined code of conduct, backed by
an independent oversight mechanism,
would act as a safeguard against

A well-defined code of conduct, backed by an independent oversight mechanism, would ensure that the regulators remain answerable to the public and not to vested interests

regulatory capture, ensuring that the regulators remain answerable to the public and not to vested interests. While transparency and independence are crucial, accountability is equally important. Regulatory heads should be held to the highest standards of accountability, with clear provisions in the code of conduct for investigating and addressing misconduct or unethical behaviour.

and addressing misconduct or unerhical behaviour.

This would require setting up independent ethics committees with the power to investigate allegations of misconduct, impose sanctions, or recommend dismissal where necessary. The current controversy surrounding SEBI's leadership underscores the need for such a body to investigate conflicts of interest impartially and independently. Ultimately, the integrity of regulatory bodies directly impacts public irrust in the financial and economic system. India's financial and recommens system. India's financial markets have grown significantly in recent years, with over 10 core Indiana mow holding investments in various forms. These investors deserve a regulatory system that they can trust, free from any hint of bias or corruption.

A code of conduct would not only protect the public interest but also strengthen India's financial markets by bolstering confidence in the regulatory framework.

In the absence of institutionalised mechanism for conflict disclosures by heads of regulatory bodies, past instances of ethical conduct by regulators have been more a matter of personal choice rather than institutional

instances of ethical conduct by regulators have been more a matter of personal choice rather than institutional mandate. For example, former SEBI chairpersons M Damodaran and CB Bhave went to great lengths to avoid even the appearance of impropriety. Damodaran sold his shares in State Bank

of India upon taking over UTI, and Bhave recused himself from matters involving the National Securities Depository Ltd., where he had for bepository Ltd. where he had for several to the control of the property of the control of the

thehindubusinessline.

TWENTY YEARS AGO TODAY.

HC asks Zee, ESPN to make fresh bids

The bomioay right court suggested Ester-Star sports and Zee 1 v maker and final bids for the rights to broadcast national and international cricket matches to be played in India between October 2004 and September 2008. The court said, rights will be granted to the highest bidder and no further appeals will be entertained.

Govt to amend laws to facilitate merger of PSBs The Finance Minister, Mr P Chidambaram, today said that the G

would encourage consolidation within public sector banks and would help point a favourable legislative framework that would facilitate mergers. However, he said that the decision on the actual process of mergers would be left to the boards of the banks.

PM for strategy to ensure high economic growth

he Prime Minister, Dr Manmohan Singh, underlined the urgent need for rategy that puts in place corrective measures to achieve a sustained hig conomic growth rate. Dr Singh said this would accommodate a greater egree of inclusiveness and lessen the sense of alienation among people.

Protectionism isn't an effective path to inclusiveness: WTO

mport tariffs tend to disproportionately hit low-income households, the World Trade Organization said in a report on Monday, countering what it sees as backlash against open markets and rising protectionism. WTO Director General Ngozi Okonjo-Iweala said the 2024 World Trade Report reaffirmed trade's role in reducing poverty and sharing prosperity "contrary to the currently fashionable notion" that trade was creating a more unequal world. Globally, restrictive trade policies often have a disproportionate impact

on low-income households, women and on smaller companies that may struggle with increased fixed costs of trade, the WTO report said.

The US is poised to hike tariffs on a range of Chinese imports, including a quadrupling of the rate for electric vehicles, while Canada has matched the US EV rate and the European Union had introduced its own EV duties. China has responded with investigations into EU dairy, pork and brandy imports and canola from Canada. US presidential candidate Donald Trump has proposed a 10 per cent tariff on all imports and a higher rate for those from China.

The WTO report said that on the



whole, low-income households typically faced a greater burden from

In the US, consumer goods from China that are now exempt from import tariffs are predominantly

shipped to low-income regions, benefiting poorer households. Richer households consume a greater share of imports from high-income conomies, the WTO report said. Protectionist policies may fail, the report said, because they often lead to higher domestic prices that reduce consumption. Tariffs then prove politically hard to remove even when no protection for a sector is needed, locking in higher prices. The WTO report concludes that protectionism is not an effective path to inclusiveness, but an expensive way to protect specific jobs that can raise costs for other sectors and risk retaliation from diagruntled partners.

BL TWO-WAY CROSSWORD 2522



5. In what manner (3) 7. Annulus (4) 8. Given in recogn

10. Sifting sugar etc over (8)

11. Use breath to cool (4) 13. Relate minutely (6) 15. Start journey (3,3)

18. Triangular piece of land (4)

19. Continued existence who others have gone (8) 22. Work beyond normal

hours (8)

23. Operation 24. Also (3) 25. Publicity, public exposure (9)

show off (7)

Sixteenth of pound (5) (They) leave the stage (6)

4. Rip (4)

5. Spanish gentleman (7) 6. Woman surviving husban 9. On the other hand; once

more (5)

12. Work at loom (5)

14. Submarine weapon (7) 16. Something deceptive (7)

17. Peak (6)

21. Stupefy, daze (4)

NOTSOEASY

5. In what way could this be a greeting from a Sioux? (3)

7. Give one a bell for a cycle (4)

8. Paid for what one did till returned by editor (8)

10. Doctor moving to one side when removing it fi

bottom (8)

11. It's a sudden catastrophe: cool it! (4) 13. Small part, or lead it replaces (6)

15. Start one's journey with radio not working (3,3)

18. How bull will produce blood? (4)
19. Ability to pull through virus troub being halved (8)

22. Extra work being finished, back- issue is produced (8)

...

A right one has to a song for an opera-sir
 It is in excess as well (3)
 Ill repute of one Tory it replaces (9)

2. Big cat to weigh so little (5)

s. They leave the stage when former tune is played (6) 5. Sign of sorrow that looks as if it will very quickly go (4) 6. Gentleman from Real Madrid who concealed goal he

achieved? (7)

5. Woman whose husband's late (5) 9. A: Georgia is at home for the second time (5)

12. Make material move to and fro (5) 14. It is related to skate or tope moving round front of

16. Deceptive appearance of Autumn starts after cold year (7)

17. At the top French gentlemen appear in coat and tro 18. Rug to be put out in order to plaster between tiles (20. Tucking into a clever venison dish with gusto (5)

21. No end of a showy performance to astonish one (4)

SOLUTION: BL TWO-WAY CROSSWORD 2521

ACROSS 1. Girdle 4. Peptic 9. Account 10. Cider 11. Drip 12. Fall 13. You 15. Gear 16. Weak 19. Aid 21. Worm 22. Pica 24. Gloat 25. Drastic 26. Liners 27. Shades DOWN 1. Guardian angel 2. Rocking 3. Loud 5. Excelled 6. Toddy 7. Circumstances 8. Straw 14. Tap-water 17. Knitted 18. Grade 20. Drown 23. Cash





GEARING UP FOR GROWTH

Union trade and commerce minister Piyush Goyal

India's auto sector is well poised to attract investment from abroad...India should be ready to capture the opportunities in new-age technologies like EVs and its related ecosystem along with other upcoming opportunities like the bicycle secto

Lessons from Dunzo

Even the most promising start-ups stumble if they neglect financial prudence, lose focus on core strengths

ATE LAST MONTH, Dunzo sacked 75% of its people, reducing the total number of employees to just 50.1t didn't come as surprise as the once marquee name in hyperlocal delivery had reported a staggering loss of ₹1,801 crore in FY23, a near four-fold increase from ₹464 crore in the previous fiscal year. This ongoing financial strain had led to delays in salary payments for both current and former employees, as well as outstanding dues to vendors. For quite some time, Dunzo has been desperately trying to reduce its costs and extend the runway. It has also been frantically searching for capital to survive, while also trying to clawback prof-

perately trying to reduce its costs and extend the runway. It has also been frantically searching for capital to survive, while also trying to claw back profits to settle its mounting liabilities.

The precipitous fall in the company's fortunes left many perplexed, considering its once-impressive valuation of \$757 million and the backing of big names like Reliance Retail, Google, Blacksoil India, and Blume Ventures. Dunzo debuted in 2016, tapping into a nascent demand for efficient hyperlocal deliveries. By 2021, it boasted millions of users, seemingly poised for continued dominance. Amid the euphoria, what attracted little attention is that even in 2021 when it was relatively better off: the firm was losing \$7.5

continued dominance. Amid the euphoria, what attracted little attention is that even in 2021 when it was relatively better off, the firm was losing ₹7.5 for every rupee earned in revenue. The last straw that broke the camel's back, however, was Dunzo's hurried entry into the quick commerce space. There are several lessons here for start-ups in general. Lesson number 1: Dunzo's pivot to quick commerce, without establishing operational profitability in its core hyperlocal business, was a blunder. The takeaway is that even the most promising start-ups can stumble if they neglect financial prudence, lose focus on their core strengths, and fail to adapt to evolving market dynamics. Only for gomerce demanded a different operational infrarket. dynamics. Quick commerce demanded a different operational infrastruc-ture, requiring significant investment in dark stores. Dunzo simply didn't have the money and expertise to spends oe extensively. Result: Despite invest-ing over \$400 million and establishing around 130 dark stores, it falled to secure a significant market share in quick commerce. So it's important to establish operational profitability in the core business before venturing into

newsegments. One mistake led to another. In its desperation to secure funding, it turn to Reliance for a \$240-million funding round, relinquishing a 26% stake. This investment provided temporary relief, but there was a lack of a cultural fit between the two.As a result, it struggled to secure additional funds due to valuation disputes with Reliance. So lesson no 2 is that start-ups should choose investors whose interests align with their growth — money alone should not be the criterion.

should not be the criterion.

These lessons are all the more important now as the low tide of funding has exposed the ugly underbelly of the start-up ecosystem in India — financial irregularities, forensic auditing, glaring absence of corporate governance, acts of omission and commission. Those intoxicating days are gone now, so start-ups will have to spend frugally, rework business models, and focus on sustainable profit. Investors are now less willing to dish out cash unless start-ups show better operating discipline and make the unit economics work. Setting una company is no longer just about that amazing sensation that cannot be considered in the construction of the constru ting up a company is no longer just about that amazing sensation that comes along with creating something and sharing it with the world. It's good when lots of people are using your product and gaining value from it. What's not great is when all those feelings and happy product users don't turn into a viable business.

Google's ad business is tailor-made to be split

ONE PROBLEM THAT quickly became apparent when Google lost its blockbuster antitrust trial last month was the question of an appropriate remedy. While the Justice Department is considering calling for a Judge to break up the company, it is difficult to imagine what that might practically look like and how such a move would do much to loosen Google's dominance of online search. In the search plant's next antitrust battle, however, the potential lines of separation are much more distinct. On Monday, a cour in Alexandria, Virginia, will sit down for the first day in the Justice Department's case targeting Google's advertising business, which accounts for 80% of revenue for its parent company, Alphabet Inc. Google created its advertising arm through shrewd acquisitions, most notably publisher ad platform Double Click, which it bought for \$3.1 billion in 2007. Today, it offers the entire tech stack underpinning the convoluted chain of bidding, selling, user targeting, and placement. Today, it is rare (though certainly not impossible) to visit a website without seeing an ad that hasn't been handled by Google at some point in the chain.

user targeting, and placement. Today, it is rare (though certainly not impossible) to visit a website without seeing an ad that hasn't been handled by Google at some point in the chain.

The question is how many points of that chain Google should control. Right now, it's all of them. Google offers a tool for publishers to sell ad space, a tool for advertisers to buy that space, and, in the middle, the software that mediates it all.

Advertisers or publishers can certainly use alternative services to do each of these things. However, Google is accused of using its power to give better deals to companies that use Google's tools for all or most of them. And, in the case of its own highlyvaluable properties like Google Search and You'tube, advertisers must go through Google's ad platforms, cementing its position further, prosecutors contend.

Last week, the UK's Competition and Markets Authority, investigating the same concerns as the US, said: 'Due to the highly integrated nature of Google's ad tech business, the CMA has provisionally found that Google's ad that Google so google opposes these more and the competition in this market.'

Google can challenge these findings and make concerns as the US, said: 'Due to the highly integrated nature of Google's ad tech business, the CMA has provisionally found that Google's ad tech hange by the competition in this market.'

Google can challenge these findings and make conduct has also prevented rival publisher adserver from being able to compete effectively. I, harming competition in this market.'

Google can challenge these findings and make conduct has also prevented rival publishers adverver from being able to compete effectively. I, harming competition in this market.'

Google can challenge these findings and make becomes final, Google could face a fine of up to 10% its global revenue. In the US, the punishment might be even more severe. The lustice Department, is calling for a forced divestiture of Google's at tech lange the competition of 18 state attorneys general,

time Google wateners ano antitrus expesses and a way forward.

The ad tech stack is a different story, It will be much easier to devise and then explain to a judge where those separation lines can be drawn and what the immediate competitive impact might be.

Now, whether or not forcing Google to divest parts of its ad tech will seriously dent its advertising business is not entirely clear. Its competitive advantage of user data, web analytics, and browing habits would remain untouched and in high demand. But it would mark a turning point in the newera of antitrust enforcement in the US, the first time regulators have successfully forced the break-up of at least part of a big tech group.

TECHPROOF EXPRESS

ALOPTIMISATION IS THE NEW FRONTIER IN REPUTATION MANAGEMENT FOR PEOPLE AND COMPANIES

SEO making way for AIO

and present

or person

Clat metiligence (A) becomes increasingly embedded in our lives, how engage with brands, and form opinions are rapidly changing. Search engines like Google, Bing, and DuckDuckGo, once the undisputed gatekeepers of the digital world, are no longer the sole arbiters of information access. At tools such as ChatGPT, Gemini, and others are poised to take centre stage, offering a more conversational and intuitive approach to information retrieval.

This shift has given rise to a new industry: Aloptimisation (AIO), which is quickly becoming as critical as search engine optimisation (SEO) has been over the past two decades. In fact, Fortune magazine says AIO may outshadow the past two decades. In fact, Fortune magazine says AIO may outshadow the past two decades. In fact, Fortune magazine says AIO may outshadow the past two from the past two decades. In fact, Fortune magazine says AIO may outshadow the past two from the past two decades. In fact, Fortune magazine says AIO may outshadow the past two from the past two decades. In fact, Fortune magazine says AIO may outshadow the past two from the past t

search engines. However, GenAl intro-duces a new paradigm where answers are provided in natural language, often bypassing the need for traditional searchresults. Altools now present users with a single, synthesised response. Users, instead of browsing dozens of links to find answers, will get one, maybe two, responses—likely accompanied by an explanation or opinion—directly from the Al. This raises a new challenge: How can individuals and companies ensure that Al tools present them in the best possible light? Just as SEO ensures your website

SIDDHARTH PAI

appears prominently in search engine results, AlO focuses on how Al systems retrieve and present information about a subject—be it a company, product, or person. AlO involves shaping how Al systems, such as chatbots or virtual assistants, understand and generate responses about specific topics. Since these Al tools erely heavily on wast data sets – from websites and databases to social media profile and nowes stricker. AlO sings to cial media pro-— AIO aims to

files and databases to social files and news articles — A influence which data is picked up and how it is interpreted. The goal is to interpreted. The goal is to ensure AI—generated responses are accurate, relevant, and aligned with the image individuals or companies want to project. In this light, a few things become more important, such as paying attention to AI's training data sets, content creation, correction of inaccurate data, and shaping proceedions in a structured manner.

ing perceptions in a structured manner. GenAI models draw from an array of GenAl models draw from an array of sources—everything from news sites to social media comments, and even obscure blog posts. In some cases, this vast data set can pull up less-than-flattering or outdated information. With AlO, companies can take steps to curate their digital footprint more actively. Much like SEO, creating authoritative, relevant, and high-quality content helps ensure that Al pulls from the right sources. Whether through blogs, precleases, or social media posts, constantly generating positive and accurate content increases the likelihood that Al chatbots will reflect your preferred nar-

rative, Also, if incorrect or misleading information is spreading online, AlO services can help flag and correct it. For example, contacting websites to update or remove incorrect data or building a contentstrategy that pushes the correct information to the forefront. GenAl relies heavily on structured data — such as information it gleans from corporate websites, publicly available databases, and schema tags embedded in web contents. Structured data tells

embedded in web con-tent. Structured data tells the AI precisely what something is. Companies should consider enhanc-ing their websites with structured data tags to ensure AI tools can easily identify key information. This includes specifying product details, service offerings, leadership bios, and contact information that AI tools can readily AIO focuses on how Al systems retrieve a subject - be it a company, product,

in a format that AI tools can readily access. By doing so, companies can ensure Al-generated content reflects their preferred narrative.

their preferred narrative.

A critical component of AIO is the ability to monitor how AI tools discuss individuals and brands. While traditional SEO tools can show keyword rankings and website traffic, AIO services will likely evolve to offer insights into how AI platforms present certain queries and topics. This will involve AI feedback loops where tracking how GenAI systems present information on a company, product, or individual is key. Through monitoring tools, businesses can gauge if AI is producing positive. can gauge if AI is producing positive, negative, or neutral content and adjust

their AIO strategy accordingly.
Separately, GenAI, despite its intelligence, can sometimes generate factually incorrect or skewed responses. AIO services will help flag these in anccuracies, allowing individuals or brands to act, be it through data correction strategies or outreach to platforms hosting the mis-information. And AI often generate opinions based on the data they consume. For businesses, managing this subjective component of AI-generated content will be crucial. AIO services will likely offer sentiment analysis tools, allowing businesses to track not only what AI systems are saying but how they're saying it. Is the AI portraying a balanced view of your services? This analysis can help businesses understand AI-driven reputational risks and adjust their marketing strategies accordingly. Many companies already use AI to handle customer queries and complaints through chatbots. AIO can help optimise these interactions, ensuring that customer-facing AI systems profid accurate, on-brand, and helpful responses that enhance the customer experience.

As AI systems become a primary interace between consumers and information, ethical considerations will play a large role in AIO. Consumers are becoming more aware of blases in AI and the potential for manipulation. Companies that openly disclose how they manage their AI reputations — by clarifying how they use AIO services and ensuring accuracy in the AI generated information—are more likely to build trust with customer Revendent and the customers.

they use AlO services and ensuring accuracy in the A.F. generated information — are more likely to build trust with customers. Beyond manipulating outcomes, AIO can help companies ensure they're feeding AI systems ethically sourced, unbiased, and ruthful information. This not only aligns with corporate social responsibility goals but also reduces the risk of reputational damage due to AI-generated misinformation or blass. For those who master AIO early, the rewards will be a future—roofed disi

rewards will be a future-proofed digi-tal presence in an increasingly Al-centric world.

Banking Regulation Act @75



AMOL AGRAWAL

The author teaches at Ahmedabad University

THE FINANCE MINISTER recently proposed amendments in the Banking Regulation (BR)Act, 1949. Interestingly, 2024 also marks 79 years of the BRAct, which is one of the first few laws passed after India's independence.

Ranking has existed in India for ages but there was no single legislation to regulate and govern the sector. After the arrival of British, the three Presidency Banks of Bengal. Bombay. and Madras

Banks of Bengal, Bombay, and Madra were incorporated under a special gov ernment charter. The Indian Companie erminent charter. The Indian Companies Act, enacted in 1850, did not include banks. The amended Act in 1913 included banks but its scope was limited. In 1930, the Central Banking Enquiry Committee recommended enacting a separate law to govern banks.

recommended enacting a separate law to govern banks.

The Reserve Bank of India was estab-lished in 1935 via He Bil Act, 1934. The RBI Act, modelled on the lines of Sank of England, specified the core function of the RBI to unify currency and credit but had limited scope for bank regulation. Under the RBI Act, the centralbank could inspect banks to include them in the Second Schedule of the Act, The Act also specified Schedule of the Act. The Act also specified that banks should publish weekly returns for watching maintenance of the cash

reserve ratio.

In 1937, the Indian Companies Act was amended to incorporate recommendations from the Central Banking Enquiry Committee and suggestions from the RBL For the first time, the banking company was defined and only those

businesses which did banking according to the definition were allowed to function as banks. The amendments also specified minimum capital for banks (°Fo,000 and above) and granted moratorium to them in difficult times. The Act also barred managing agencies from banking. This lack of comprehensive legislation and regulation was exposed by the failure of the Travancore National and Quilon Bank in 1988. Then BIL Gower.

the Travancore National and in 1938. Then RBI Gover-nor James Taylor decided to establish a comprehensive banking regulation but it had to wait due to the Sec-ond World War and Inde-pendence. However, there were interim legislation in 1946-49 to manage the banking system.

banking system. In 1949, the govern-ment of independent India legislated the BR Act. The RBI was also a banking reg-ulator, apart from being a central bank. The Act mod-ified the definition of banking to include

ified the definition of banking to include time deposits and specify that banks also lend and invest. All banks, new and existing ones, could function as one only after getting a licence from the RBI. The Act also gave the RBI full powers to inspect banks. The new Act also defined minimum capital standards, implemented cash reserve forboth scheduled and non-scheduled banks, maintaining liquid assets and so or assets and so on.

The BR Act became a potent tool in the RBI's arsenal. It used the Act to clean up India's fragile and fragmented banking system. Banks had no choice but to open themselves to the RBI's supervisory insections. They had to improve their prudential and governance requirements in order to be eligible for banking licence. Having said that, the RBI got a wake-up call due to the failure of the Palai Central Bank in 1960. Palai was a south-based bank and south-based bank and south-

It needs to be reframed as the definition and scope of

banking has changed significantly with the advent of

digital banking & rise of non-banks and private credit

Bank in 1960. Palai was a south-based bank and southern India was home to many small banks. There were concerns threat that there would be a run on small banks. The government ushered in deposit insurance in 1962 to prevent bank runs. In 1966, the Act was also extended partly to cooperative banks. The regulation of non-banking finance companies was inc The conflict over the dual regulation of public sector banks governed by the Bank Nationalisation Act and private banks governed by the BR Act has to end ance companies was inc-luded in the RBI Act (1934).

The next challenge for the BR Act came from bank nationalisa tion in 1969. It shifted the regulation of uon in 1969. It shifted the regulation of nationalised banks to the ministry of finance. As nationalised banks went on to form nearly 90% of the banking system, the scale and scope of the BRAct became highly limited. The 1991 reforms led to the licensing of new private banks, which nigny imited. The 1991 reforms led to the licensing of new private banks, which gradually contributed 30% of the bank-ing system. The rise of new private banks brought the BR Act back to the fore as,

unlike nationalised banks, the Act applied completely to private banks. In 2007 and 2008, two committees — on Mumbal as an international financial centre, and Committee on Financial Sector Reforms — suggested rewriting financial regulations. In 2013, the Financial Sector Legislative Reforms Commission, acting on these two committees, proposed a unified India Financial Code (FC) prepaling 1.5 financial Acts including the repealing 15 financial Acts including the BRAct.The IFC was not implemented due

How can the Act continue to play an

How can the Act continue to play an instrumental role in its next 25 years?
First, the conflict over the dual regulation of public sector banks governed by the Bank Nationalisation Act and private banks governed by the BR Act has to end. The 1991 Narasimham Committee had mentioned this duality which has been reiterated by several RBI officials. The regulation and supervision of all types of commercial banks should be shifted to the RBI.

Second, with the advent of digital

Second, with the advent of digita banking and the rise of non-bank and pri-vate credit, the definition of banking and its scope has changed significantly. The BR Act needs to be rethought and reframed

to include these realities. In the recent Budget, the finance mir In the recent Budget, the that has internated releasing a financial sector vision and strategy document to set the agenda for the next 5 years. It could start with a comprehensive review of all the regulations that govern the Indian banking sector.

LETTERS TO THE EDITOR

Cabinet secretary and the PMO

Apropos of "Under the shadow of PMO" (FE, September 9), indeed the Cabinet secretary is de jure most powerful bureaucrat in a parliamentary system, But the principal secretary to the PM remai so in practice, assisting the Prime Minister in aligning domestic and foreign policies. Under the British foreign policies. Under the British regime, the Cabinet secretary

assisted the viceroy in taking Cabinet decisions. But the Prime Ministers consider the principal secretary to be critical in the decision-making of the PMO. It creates inherent tension between the two offices. Coordination between different stakeholders is an essential feature of a democracy. Shouldn't the PM coordinate with the two key forces of administration, along with council of ministers, for a healthy democracy?

—NR Nagarajan, Sivakasi

Crisis in Sebi

A slew of new issues are in the pipeline, with initial public offerings due to open in the next couple of months in the small and medium enterprise sector, which will warrant careful scrutiny by the Securities and Exchange Board of India (Sebi). In a capitalist economy and during a buil run, smart operators are waiting to seize every opportunity to dupe the retail investor. Sebi acts as a shield

against such predators. At this critical juncture Sebi's employees are protesting against a toxic work culture and their chief Madhabi Puf Buch, who refuses to budge from her post like a seasoned politician. It has become the norm to blame all protests against the government as foreign-funded. But it is now time to call a spade a spade.

—Anthony Henriques, Maharashtra

thehindubusinessline.

Prepare the ground

Sort out FPO problems before trying to scale up

armer Producer Organisations have been in the news after a draft 'national FPO policy' was unveiled about three months back. According to a recent report in this newspaper, the Centre is considering the creation of a 'national brand' for FPOs that showcases the quality of their products. However, before embarking on a renewed FPO promotion and 'branding' exercise (the policy to create 10K FPOs over four or five years is supposed to have come to an end), the Centre and stakeholders should take stock of the performance of the sector.



In fact, Agriculture Minister Shivraj Singh Chouhan struck the right note in July by expressing concern over the performance of 'some' FPOs, and called for a review to identify gaps. Senior government officials have said that close to 9,000 FPOs have come into being over the last four years as part of the 10K policy initiative. Significantly, these FPOs have received on an average ₹210 crore in equity from the government on a matching contribution basis, which works to a meagre ₹2 lakh per FPO. Not surprisingly, private studies point to the sad state of m of these enterprises. The latest policy document emphasises scaling up to a document emphasses scaling up to a three-tier federated structure to generate membership, scale and capital, citing AMUL as an example – perhaps realising that standalone FPOs will not work in most cases. While this is all very well, it is also important to face up to a central problem with the 10K policy. To begin with, FPOs need to be a draw

over existing systems of input procurement, credit and marketing for them to attract farmers. Farmers will not ditch the status quo for all its problems, only to opt for an alternative idea whose benefits are uncertain. To make this change happen, leadership and professionalism are crucial inputs. The existing policies (10K and its latest avatar which holds out a bigger ambition) have failed to create a skin-in-the-game system for professionals. They funnel ₹18 lakh for three years to a resource institution (RI)' that is supposed to provide managerial support, besides a sum of up to ₹25 lakh for 'formation and incubation', without linking these to outcomes. There are enough anecdotal reports to suggest that RIs removed from farming have climbed on to the FPO bandwagon. Worse, it appears that RIs are able to float quite as many FPOs as they like. agree to noat quite as many FFO as they like.
Such sums for professionals should be
equity-linked so that they grow the business.
Capital can be garnered through social stock
exchanges or the CSR route.

At a broader level, there is policy

confusion over the very idea of FPOs. Initially conceived as 'farmer producer companies' to be registered under the Companies Act to overcome governance hassles in the cooperative sector, FPOs are now registered as cooperatives as well. There are a multiplicity of agencies implementing the FPO programme. So, FPOs are faced with an identity crisis, with the Centre going big on cooperatives as well. These issues must be sorted out through wide-ranging consultations.

11

I worked my monthly budget out. How may I deposit minus five thousand rupees?"

POCKET

CIRCUIT BREAKER.



rivate sector employees, especially taxpayers, may not be thrilled at the rollout of the Unified Pension Scheme for government employees. But they can take away one useful lesson from it. It is that, if they aspire to a comfortable retirment, they shouldn't be relying so much on the Employees Provident Fund (EPF).

be relying so much on the Employees Provident Fund (EPF). UPS' design shows that, to fund an inflation-adjusted pension at just 50 per cent of an employee's salary, contributions at 28.5 per cent of her pay are necessary for 25 plus years of her working life. (The employee contribution in UPS will be at 10 per cent and government contribution at 18.5 per cent.) UPS contributions are to be invested in the NPS. (National Positions)

18.5 per cent.) UPS contribution at the invested in the NPS (National Pension System) with a default 15 per cent equity allocation.

UPS's structure begs the question: If government calculations show that the market-driven NPS is the best way for government employees to fund their retirement, why should private sector employees be forcibly saddled with the opaque EPF?

EQUITY, A MUST-HAVE

EQUIT, A MUST-HAVE
Recent research shows that thanks to
inflation and longevity, Indians looking
to fund their retirement have a
Herculean task head of them. To be
comfortably off, they will need a corpus
qual to 33 times their annual expenses
at 60 when they retire. (More details
here

https://www.thehindubusinessline.com

https://www.thehindubusinessline.com/ opinion/the-great-indian-retirement-challenge/article67879610.ccc)
Therefore, a 35-year-old expecting monthly expenses of C1 lash when he turns 60, will need to accumulate C3.96 crore. If he invests in a fund returning 8.5 per cent per annum, the subscriber (with his employer) will need to contribute C88,100 per month over the next 25 years to get to that goal. But with a 12 per cent return, the contribution will drop to C20,900 per month. While the EFF has declared returns of 8.15 to 8.75 per cent in the last 10 years, NFS equity managers have delivered 12-13 per cent.

per cent.
This demonstrates the absolute need for employees in India to rely on equity-oriented vehicles rather than debt-oriented ones for their retirement

savings.
Returns apart, the EPF suffers from many other shortcomings too as a retirement vehicle.

EMPLOYER-DEPENDENT
A primary flaw in EPF design is that it forces the employee to route her retirement savings through her employer. The employer organisation tasked with depositing these contributions with the EPFO or managing them.

Do we need to go beyond EPF? Given the opacity of EPF and other bureaucratic glitches, it is time private firms offered NPS to their staff

that, when an employer organisation lands in governance or debt trouble, it is tempted to make away with employers PF contributions. From Kingfisher to Byias, there are literally hundreds of large organisations which have run into financial hot waters and left employers in the lurch not only on their pay, but also on their PF savings. EPFO's FY23 annual report (fis latest) discloses 13,953 crore in dues from defaulting employers.

annual report (its latest) discloses 13,953 crore in dues from defaulting employers.

Employers dependency is also a key reason why the EPF has an alarming number of accounts that are dormant or inactive. Organisations often make clerical errors in recording KYC details, or fail to complete transfer formalities correctly when employees switch jobs. This forces the employee to abandon his retirement savings so far, and start all over again from scratch.

Though the introduction of the Universal Account Number (UAN) and an online interface have made transfers, withdrawals and girevance redressal easier for new EPF members, monies from many legacy members remain stuck due to KYC or migration issues. Of hec EPF's 29.88 crore subscribers as of March 31, 2023, only 19,10 crore had been allotted UANs and only 6.85 crore were actively contributing to the fund. KYC issues have also led to EPF seeing a high claims rejection rate in recent high claims rejection rate in recent years. About 24 lakh of the 73 lakh final

The NPS gives the employee control over her retirement account and allows her to manage her own contributions and

withdrawals, without having to route this through the employer

settlement claims were rejected in FY23. The NPS (even in its corporate version) gives the employee control over her retirement account and allows her to manage her own contributions and withdrawals, without having to route this through the employer.

ARCHAIC ACCOUNTING

ARCHAIC ACCOUNTING
When you invest in vehicles such as
mutual funds or NPS, your
contributions are held in a separate unit
account that is directly traceable to you.
Your investments are processed at the
prevailing NAV to fetch you the correct
number of units. On maturity, you get to
withdraw the unit balance in your
account at prevailing NAV.
This unit accounting system ensures
there are no leakages between returns
earned on the portfolio of the fund and
those earned by unitholders and that
these returns are fairly distributed. It
also ensures that each investor gets the
return due to ber, based on the timing of
entry into and exit from the fund.
The EPFO however is yet to transition
to the unit accounting system despite

entry into and exit from the fund.

The EPFO however is yet to transition to the unit accounting system despite this being talked about for years. It follows an archaic pool accounting method where contributions of all members are co-mingled and claims are paid as and when they crop up. EPF contributions are invested in a mix of government securities, bonds and equities (capped at 15 per cent).

Every year, the expenses of running the fund are deducted from its income which consists of dividends, interest, capital gains and administrative charges levied. The difference is used to 'declare' an annual 'interest'.

Individual subscribers to the EPF therefore have no way to estimate or control their returns.

In the absence of any mark-to-market portfolio disclosures, profit and loss account or a balance sheet, it is also

fficult to gauge if the fund will omfortably meet future maturi

aims.
The EPF is not a shining
elvertisement for ease of doing business The LPF is not a sinning advertisement for ease of doing business either. The EPF came into existence because Employees Provident Fund and Miscellaneous Provisions Act of 1952 requires all establishments with 200r more employees to enrol with the EPFO and make contributions on their behalf to the fund.

more employees to enrol with the EPFO and make contributions on their behalf to the fund.

This mandate prompts many micro and small enterprises to restrict their employee roster to below 20. Larger firms avoid taking on full-time employees and hire contract staff to side-step the EPF obligation. This acts as an impediment to formalisation. Firms that don't avoid the enrolment obligation structure their employees, and the contract of the pays so that the basic pay component, on which EPF contributions are mandatory, are kept minimal.

Gen2 employees, many of whom are on the new tax regime, aren't too fond of EPF either. Prone to short stints with employers and frequent career breaks, they would rather not route their retirement savings through their employers, or cough up 12 per cent of their pay to a black box until they turn 58. Left to themselves, many of them may prefer open-end equity funds over strait-jacketed whicles such as the EPF. Yes, on paper, EPF enrolment is currently voluntary for employees earning over \$15,000 per month in basic pay. But in practise, most employers insist on EPF contributions because the EPF Act to make EPF optional for both employers and employees. Private enterprises should be permitted to offer NPS as an alternative or replacement to the EPF.

Urban housing is simply unaffordable

To tackle this crisis there is a need to reconceptualise land use regulations and urban planning systems

an we afford to rent a house in a location with good civic infastructure, including good roads, better health, and better education facilities? How far will it be from our workplace(s)? How much time will we have to spend in commute? These are some of the questions every migrant household faces while moving to a new city.

At the centre of these questions is the problem of housing unaffordability. The United Nations Human Settlements Programme or U.N-Habitat, the U.N agency for human settlement, provides an operational definition calculating unaffordability for housing as a net monthly expenditure on housing cost (rents or mortgage payments) that exceeds 30 per cent of the total monthly income of the household.

In other words, housing expenditures of more than 30 per cent of monthly income end up infringing on expenses dedicated to other basic needs, and households are forced to reduce expenses for non-housing needs.

Steffen Wetzstein, a political

economist at the University of Applied Sciences Efruir, Germany, found that housing-related household expenses are rising faster than salary and wage increases in many urban centres around the world. He termed it a Global Urban Housing Affordability Crisis, a crisis warranting urgent interventions by governments.

warranting urgent interventions by governments.

Let us look at the urban housing affordability status in India, which houses the second largest urban population (46 in Illilon) and five megacities. With the rapid growth of the urban population, the need for affordable housing has also grown proportionately.

However, the supply of affordable housing stock has consistently been lacking in the cities, leading to the ever-increasing supply-demand mismatch. A significant indicator of this is the presence of informal housing and slums across Indian cities.

nk of India (RBI) A Reserve Bank of India (RBI) residential asset price monitoring survey (2019) across 13 cities reported worsening housing affordability as the house price-to-income (HPTI) ratio



THE CHALLENGE, Affordable be

increased from 56.1 in March 2015 to
61.5 in March 2019.
HPTI ratio is an affordability
indicator calculated as a ratio of median
house price to median monthly
household income. Simply put, an HPTI
ratio of 61.5 impsies it takes 61.5 times
the median monthly income to cover the
median house price. To put this number
in perspective, the benchmark HPTI
proposed by the UN-Habitat is below 36,
beyond which housing becomes in perspective to the UN-Habitat is become proposed by the UN-Habitat is beyond which housing becomes unaffordable. The survey also reported that Bhubaneswar is the most affordable city, with an HPTI of \$4.4, and Mumbai remains the least affordable city, with an

HPTI of 74.4.

Another RBI study in 2018 attempted to calculate the affordability status of different household groups based on

their income and house prices across 49 Indian cities. The study observed that the Economically Weaker Section (EWS) households (annual income up to ₹3 lakh) and Lower Income Group (LIG) households (annual income between ₹3-f6 lakh) could afford to buy a new house in only five of the 49 cities. Moreover, the Middle Income Group (MIG) households (annual income between ₹6-₹12 lakh) could afford a house in only nine of the 49 cities, and Higher MIG (annual income more than ₹12 lakh) households could afford a house in 18 of the 49 cities. So, the affordability issue severely restricts the accessibility to housing for the urban migrants in terms of the selection of cities as the low-income households (EWS and LIG) struggle to find affordable housing in the formal housing markets.

There is an inherent need to reconceptualise the land use regulations and urban planning systems while centering housing affordability issues within urbanisation.

The writer is Assistant Professor of Political Science,

The writer is Assistant Professor of Political Science Department of Humanities and Social Sciences, IIT,

■ LETTERS TO EDITOR Send your letters by email to bleditor@theh co.in or by post to 'Letters to the Editor', The Hindu Business Line, Kasturi Buildings, 859-860, Anna Salai, Chennai 600002.

E-comm's potential

E-commerce revolution is no inclusive enough' (September 9), erce industry is people must be encouraged to use e-commerce for which online

'Gigification' threat

(September 9), the present e-co

financing, procuring, selling and promotion are tech-based on digital

employment which is not healthy. A policy and legal framework for

Vinod Johri New Delhi

establishes the benefits of limiting the terms to two for PM and CMs. The

With our size of population and the demographics, we can think of limiting

...

office bearers of political parties also. The case of a vibrant churn in political

(September 9), the data coll financial savings of households by both RBI and SEBI is significant, wh spread across various buckets of Apart from culling out the accurate savings details sourced from other savings details source from our objects investment avenues like crypto, unlisted shares, PMS etc., a critical analysis of legacy investments may throw light on the risk propensity of various instruments and help in taking preventive stees to avoid sudden. Also, an analysis of leveraged investments through bank loans m also be taken up to achieve more data

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10 THE EDITORIAL PAGE

WORDLY WISE

HE KNOWS NOTHING; AND HE THINKS HE KNOWS EVERYTHING. THAT POINTS CLEARLY TO A

POLITICAL CAREER. — GEORGE BERNARD SHAW

The Indian **EXPRESS**

RAMNATH GOENKA

BECAUSE THE TRUTH INVOLVES US ALL

The audacity of a mission

Swachh Bharat Mission has led to gains on multiple fronts - safety and dignity, health and economy

PARAMESWARAN IYER



NOBODY IS LISTENING." The explanation by Jawhar Sircar for why he rerobustor I Edisterius. The explanation by Jawina Stata in or why ne resigned from the Trinamool Congress and the Rajay Sabha frames the fundamental problem with how West Bengal's ruling party, government and Chief
Minister have acted and reacted in the month since a 31-year-old doctor was
raped and loilled at R C Kar Medical College and Hospital in Kolstaa. In a democracy, as a
matter of both principle and prudence, every politician and political party must not just matter or both principe and prucerice, every pointcain and pointcaip party must not just talk and do, but salo listen, including and especially to its critics. The TMC and Mamata Banerjee should know this better than most: She saw first-hand what happened to the once formidable Left Front when its leadership stopped listening to its citizens as well as inter-nal feedback from its cadres and well-wishers. Unfortunately, the TMC does not seem to have learnt those lessons. The party and government have done little to show that they are committed to reforming the justice system and or to taking action against government cor ruption — both issues flagged by Sircar in his resignation letter. In the current moment, CM Banerjee and the government seem reluctant even to acknowledge, much less address, the institutional lapses that have been on show in the aftermath of the crime at RG Kar Hospital.

Even as the Supreme Court is looking into the investigation after taking suo motu cognisance, Banerjee has continued to allege a "conspiracy" rather than recognising the gen-uine anguish of the protesters. "This (protest following the RG Kar incident) is definitely a conspiracy by the Centre and some Left parties are also involved in it", she said, Monday. She also said that "some people were taking advantage of the situation in Bangladesh" to foment unrest in West Bengal. Instead of making accusations for which there is no proof, and which are unprovable in fact, Banerjee, one of the most prominent women leaders in the country, needs to engage with the protesters, listen to their demands and provide a roadmap for justice in this case as well as for others. This is not the time, either, for kneejerk responses and whataboutery. The Aparajita Woman and Child (West Bengal Criminal Jerk responses and watandoutery. I he Aparajica Woman and Child (West Bergal Chrimian Laws and Amendment) Bill 2024, passed by the state assembly last week, seeks the deash penalty for heinous crimes against women. That is a quick-fix response which does little to engage with the many serious questions around women's safety and access to public spaces that have come up since the rape and murder at RG Kar. For long, Bengal as a whole and Kolkata, in particular, have prided themselves on be-

ing a place where women are not just safe, but also at the centre of the development proj ing a place where women are included and security has been at the core of Kolkata's liberal, cos-mopolitan self-image. CM Banerjee has sought to build on this with flagship schemes like Lakshmir Bhandar and Kanyashree. Women are a part of the TMC's core electoral base and the party has the highest proportion of women in the Lok Sabha, All of that, though, seems to lose meaning if the CM refuses to engage with the woman on the street demanding to be heard, or even those from within her party asking her to do so, instead of accusing them of being part of a "conspiracy".

STATE'S BLIND EYE

Warnings to minority on boards in public spaces in Rudraprayag showed intolerance emboldened by state abdication

WO KINDS OF warnings could be read on the signboards, now removed, that came up in the villages of Uttarakhand's Rudraprayag district over the last few weeks and put communities on edge. The first is the disturbing and un-lawful injunction that was written on the boards — instructing "non-Hindus/Rohingya Muslims" against doing business in the area, threatening them with "junitive and legal action". The second warning — the one that must be heeded by all those who have stakes in keeping the peace — was not literally spelt out but was writ large nonetheless. It is a warning about how intolerance is emboldened and normalised when the state abdicates its responsibility to uphold the rule of law.

The scars inflicted by polarisation fester below the surface and take long to heal. Take the

case of Purola in the state's Uttarkashi district where, in May 2023, allegations of "love jihad" case of Yurolain the states Uttarikashi district where, in May 2013, allegations of Toke pland; ignited tensions, with right-wing groups organishing protest rallies to demand strict action against "outsiders" and where Muslim traders were threatened with dire consequences if they did not shut down their shops. A year later, despite a veneer of normalcy returning ten-sions remain. "We can sense a new dislike for us." a Muslim shopseper told this newspa-per ('We act like we've forgotten and moved on', IE, July 22). In a state with no protracted hisper (veraction ever registerialminector), in July 22-pinsaisae virum probasection to troty of communal tension or conflict, the alarm bells have been ringing for a while, recently. Amoieties have deepened with the passing of the Uniform Civil Code earlier this year. Amidst instances of forced shuttering of Muslim-owned businesses, spectres of "love jihad" and "land jihad", official response has been absent and, in fact, enabling of divisive tendencies.

The incitements to hate and violence at a "dharam sansad" in Haridwar in December 2021 were met with state inertness and apathy, It was left to the Supreme Court to un-derline the seriousness of the issue, framing hate speech as a threat to harmony and as a violation of constitutional principle, and making it incumbent on the police to take suo motu action. To keep the fault lines from deepening further, the state must act—and must be seen to be doing so, Its duty is to the citizens of Uttarakhand and the constitu-tional values it is swom to uphold, above all.

WHAT HE MEANT TO SAY

Sanewashing of Donald Trump's speeches raises larger questions - about politics, reality and make-believe

HEN DOES THE presentation of speeches that border on the illogical HEN LOUES I'HE PERSENTATION OF SPECIFIES THAT DOTOE OF THE BUBGICA.

inflammatory or simply incoherent, breach the journalistic ethic of
accuracy and move into the disputed territory of sanitising? In early
september, at the Economic Club of New York, Republican presidential nominee Donald Trump responded to a question on how he'd address the issue of
childcare outpacing inflation in the US with a solution that was both off-centre and circumlocutory: Increasing tariffs on foreign imports to ensure the generation of adequate funds to meet the crisis. Instead of addressing the non sequitur, much of the mainstream media presented a parsed down interpretation of what might have been the 78-year-old's intended solution — that his economic policies would address childcare. Enter "sanewash-

interious soutous—an excension pouncies would active session and exercise salescensing ing"—the persistent rationalisation of Trump's purported meanings by a section of the US media that has been called out for the distortionary lens it creates for consumers of news. From his constant references to the "late, great Hannibal Lecter" to his outlandish re-marks on job creation and economic policies, there is much in Trump's rhetoric that could do with the ministrations of a fact checker. But does the job of smoothing out the jagged edges of his vitriol, the opacity of his policy proposals or the bizarreness of his conspir-acy theories — in short, the task of making him credible to the electorate — become the responsibility of the traditional media? Especially since the courtesy is selectively af-forded. As Parker Molloy of The New Republic, one of the early users of the term "sanewashing", says, "By continually reframing Trump's incoherent and often dangerous rhetoric as

one stops, so detained yearning in many such are failing in their duty...

In a post-truth world, there are deeper implications of sanewashing politicians. It can make inconveniences of thought and action disappear with a coat of linguistic varnish. The question remains: Do electorates deserve this sanding down of facts with fiction? vashing politicians. It can THE RECENT RELEASE of the scientific report in the Nature journal on the Swachh Bharat Mission's (SBM) impact on the reduction in infant and child mortality broadly coincides with the 10-year anniversary of the programme. Announced by Prime Minister Narendra Modi during his Independence Day speech to the nation from the Red Fort on August 15, 2014, it was formally launched on October 2 of the same year. Focused on the massive challenge of year, rocused on the massive challenge or eliminating open defectation in the country by October 2, 2019 (the 150th birth anniver-sary of Mahatma Gandhi), the SBM sought to change the behaviour of about 550 mil-lion Indians from their traditional habit of defecating in the open to using the over 100 million household toilets constructed for

defecating in the open to using the over 100 million household toilets constructed for them by the government. While the success of the programme had many positive spinoffs, including providing dignity and security to women and girfs, the Nature report validates its significant health impact, asserting that the provision of toilets under the Mission saved the lives of 60,000-70,000 infants and children under the Mission saved the lives of 60,000-70,000 infants and children under the age of five on an annual basis.

Ten years of a national developmental programme such as the SBM is a good time to take stock of its progress and achievements. To begin with, the audicity of Prime Minister Modi's announcement on August 15, 2014, took not just the nation, but the world by storm. This was the first time in history that any head of government in the world was publicly committing to ending the scourge of open defectation in his country in a specified time frame. Firstly, the Prime Minister was not shirking from bringing out the hitherto taboo topic of sanitation from the closet and, secondly, he was talking about a scale and level of speed almost unimaginable — changing the behaviour of \$50 million people in five years. If ever there was a big hairy audacious goal, this was it. No wonder there was a simultaneous sense of shock and awe at the announcement. But, under the personal

Communicating directly with the people through multiple platforms, including his monthly Mann Ki Baat radio address, the Prime Minister fired the people's imagination and inspired them to make the SBM a community and lage-led initiative. The entire population of a village would passionately work make their communities ssionately work to open defecation free (ODF) and when they achieved success, would take out a 'gaurav yatra' (pride tour). It was a matter of pride for a village community to declare itself ODF and soon a friendly competition broke out across the country between villages, districts and

leadership of the Prime Minister, the programme took shape and, in the form of a jan andolan (mass movement), was successfully implemented in village after village, district after district and state after state.

ple through multiple platforms, including his monthly Mann Ki Baat radio address, the his monthly Mann KB Baat radio address, the Prime Minister fired the people's imagina-tion and inspired them to make the SBM a community and village-led initiative. The entire population of a village would pas-sionately work to make their communities open defecation free (ODF) and when they achieved success, would take out a gaurav yatra (pride tour). It was a matter of pride for a village community to declare itself ODF and some a friendly comparative public will preduce a friendly comparative public will be a proposed to the control of the properties of the principles of signific proposition below to the control of the properties of the principles of the properties the properties of the properties of the properties the proper for a village community to declare itself ODF and soon a friendly competition broke out across the country between villages, dis-tricts and even states. Once states like Himachal Pradesh, Kerala, Uttarakhand and Haryana declared themselves ODF, other states followed suit and finally on October 2, 2019, all the states declared themselves ODF. However, the behaviour change focus and work to sustain the achievements of the SBM continued under phase two. In terms of the outcomes of the SBM, in addition to the health benefits outlined in

addition to the health benefits outlined in the Nature journal and enhancement of the dignity and security of women and girls, there were other positive spinoffs. One of them was its economic benefit — a study conducted by UNICEF estimated that achievement of ODF status in a village resulted in each of its households saving approximately RS 50,000 annually on account of avoided medical fees, time savings, etc. One of our annual Sudhir Dar SBM cartoon calendars showed a bored doctor at a primary health centre sitting outside his clinic and idly swatting flies as he had run out of business since the villagers had stopped defectating in the open — and consequently stopped falling chronically ill of diarrhoea.

The SBM also had several lessons and experiences to share with the world. At the addition to the health benefits outlined in

Mahatma Gandhi International Sanitation Convention in October 2018, the Prime Minister chaired the concluding session alongside the Secretary General of the United Nations and in attendance were 55 enaltation Ministers from around the developing world — all there to share the swachhate experience and learn from it. The visiting Nigerian Minister for Water and Sanitation was on impressed by Water and Sanitation was so impressed by Water and Sanitation was so impressed by what he learned at the conference that he returned to his country and started the Clean Nigeria Campaign. The four key lessons of the SBM which were enshrined in the Delhi Declaration of the conference became known as the four Ps. These four Ps — political leadership, public financing, partnerships and people's participation — are now globally recognised as vital for the success of most large transformational development. cess of most large, transformational devel cess of most large, transformational devel-opmental programmes. They are being ap-plied in the sanitation sector around the world and leading to significant progress on Sustainable Development Goal number 6: Access to sanitation and water. As we know, the Swachh Bharat Mission was only one of the many successfully ar-ticulated and implemented schemes of the government. Other national basic service initiatives which improved the nuality of

government. Other national basic service initiatives which improved the quality of life and ease of living of ordinary Indians include Ujiwala (cooking gas cylinders). Jan Dhan (bank accounts), the Nawa Yojana, the Ayushman Bharat medical insurance scheme and, of course, the Jal Jeevan Mission, which has made tremendous progress in providing har ghar jal to a targeted 180 million households. Without question, the bold vision and political leadership of Prime Minister Modi are the key underpinnings of such transformational programmes.

The writer is the former Secretary of the Department of Drinking Water and Sanitation, Government of India and is currently India's Executive Director at the World Bank. Views are personal



THE AGREEMENTATIVE INDIAN

In the classroom, a culture of conformity that stifles dissent, promotes agreeability

"WHY AREN'T YOU noisy? Why are you all "WHY ARENT YOU noisy? Why are you all so generically polite? Why don't you want to say anything to disturb us?" I find myself saying this to my students from time to time, my voice perhaps never forgetting to italicise the "us". It has taken me some time to understand that it might not be their fault. Our ped-agogical practice, such are its invisible codes and modes, protects us from the dissent and disagreement that we celebrate in the classroom: We are like the teacher who starked. room: We are like the teacher who stands beside an archer teaching them how to shoot at a faraway target; our proximity — being beside instead of, say, across, distant from the

beside instead of, say, across, distant from the archer-student — protects us.

"Wherever we are, what we hear is mostly noise. When we ignore it, it disturbs us. When we listen to it, we find it fascinat-ing." writes John Cage in Silence: Lectures and Writings (1961). We seek the obverse, we co-ordinate our pedagogy for the opposite, for harmory. In our rebordic is the urge to free ourselves from what we have been condi-tioned to haracteries as pois in our sidioms.

ourselves from what we have been conditioned to characterise as noise, in our diforms is a hankering for versions of silence — we dislike the idea of "noise" so much that we call the seemingly unserious "bakwas", as if the unimportant emits noise. We do not want to acknowledge the fundamentalist character of agreement, the absence of necessary noisiness — our students write emails that are tailored to make their personalities seem agreeable, that make it seem that universities are finishing schools for teaching academic ediquette and corporatised politeness. Drugged by good intentions, tised politeness. Drugged by good intentions compelled by our desire for a fairer world

'Agree' derives from 'gratus' to please. The kind of agreement that is being forged, besides revving up our stock of agreeability, is to please oneself — to feel safe that there is no other opinion besides ours. It is control by proxy. Jukti, tarka, galpo — logic, debate, story — the trinity that produces philosophy, art and science, is gradually being bleached away by this compulsive expectation of agreement This is why, irrespective of political ideology, we have all been turned into bhakts, into devotees and unpaid employees of those we must with, whether family, RWA or the nation.

and convinced that our belief in teaching parand convinced that our belief in teaching par-ticular knowledge systems is the only possi-ble way to achieve this, we've structured the pedagogical form of our courses and syllabi around the telos of eventual agreement. In the process, we have failed to teach our stu-dents that the silence of agreement, whether it is achieved through bullying, bureaucracy or pedagogical faith, can be noisy, the kind of noise that they tutor themselves to avoid in their interactions with those in power. Such is its architecture that we sit with those who agree with us, whether in faulty meet-

Such is its architecture that we sit with those who agree with us, whether in faculty meetings or Parliament.

We teach Plato's Republic and ask our students to be Socratic, we implore them to argue, debate, question, dissent, but our courses are structured like the Bhagawad Gia, where, after a conversation between two tributaries of thought, one must be integrated with the other and become one stream, as Arjun was persuaded by Krishna. From the 'argumentative Indian'' we are now coaxed, bullied and instructed to become the "agreementative Indian".

coaxed, bullied and instructed to become the "agreementative Indian".

This idea of agreement that is emerging from our classrooms, where a common enemy—whether systemic or an individual—is fought with all the might of our theories and good practices, is gradually rendering us incapable of having conversations with those who do not share our intellectual and emotional histories. We're being led to think of "tradition" as having been bull from consensus instead of disagreement. We've become academics who, in various subsets of affiliation, brought together by disciplines, re-

search areas or family and friend networks, search areas or family and friend networks, perform what has been characterised as compulsive nobility. We defend our disci-pline and its practitioners, those that share the same networks, with a kind of skill and verbal violence that is often damaging to the health and careers of those attacked. The bat-tleground for this is various: The academic conference, the classroom, and, now quite often, social media.

"Agree" derives from "gratus" — to please. The kind of agreement that is being forged, besides revving up our stock of agreeability, is to please oneself — to feel safe that there is no other opinion besides ours, It is control by proxy. Jukit, tarka, galpo — logic, debate, story — the trinity that produces philosophy, art and science, is gradually being bleached away by this compulsive expectation of agreement. This is why, irrespective of political ideology, we have all been turned into bhakts, into devotees and unpaid employees of those we must agree with, whether family, RWM or the nation. Like children who take it as a slight when an adult says that pink is not their favourite colour, we take everything. "Agree" derives from "gratus" – to please The kind of agreement that is being forged

it as a signit when an adult says that pink is not their favourite colour, we take everything as a personal affront. The Bhakit poets had rebelled against institutionalised agreement — bhakit stoday only agree with each other. In a country where spouses can't often agree on where the wet towel should be kept, it is silly and strenuous to keep playing the Agreementative Indian.

Roy, a poet and writer, is associate professor of creative writing, Ashoka University Views are persona



SEPTEMBER 10, 1984, FORTY YEARS AGO

HYDERABAD VIOLENCE

THE ARMY WAS called out and shoot-at-sight THE ARMY WAS called out and shoot-al-agint orders were issued in the communal strift-torn Hyderabad city to quell mob violence and large-scale arson and looting during the Ganesh immersion procession. The entire city has been placed under curlew indefinitely. The police opened fire at three spots injuring 10 persons — two of them succumbed to injuries at the hospital.

IANATA'S 'WHITE PAPER' THE GOVERNMENT OF India's practice of top-pling popularly elected governments in the states run by non-Congress (1) parties is a clear and flagrant subversion of the Constitution of India declares the 40-page white paper of the Janata Party released by president Chandra Shekhar. The white paper describes it as being "as grave and dangerous in its consequences as the subversion of the Constitution by the abuse of emergency powers."

AP ASSEMBLY AGENDA

THE AGENDA FOR the crucial Andhra Pradesh Assembly session has not been final arradesh Assembly session has not been final set of air. M Baga Reddy, pro-tem speaker of the assem-bly, has not received any notice from the gov-ernment for the vote of confidence motion proposed to be taken up in the ensuing ses ision. Baga Reddy told newsmen that vote of confidence motions in other state assemblies showed that they were discussed for three or four days before being disposed of.

DU STUDENT ELECTION THE JANATA VIDHYARTHI Morcha, studen

1HL JANATA VIDHYARTHI Morcha, student wing of the Bharatiya Janata Party, won the election to the Delhi University Students Union for the fifth consecutive year by de-feating the National Students Union of India (I). Ball Ram Yadav of JVM has been declared elected president. He polled 15,484 against 8,862 polled by his nearest NSUI (I) rival.



Manipur needs a political solution

The tensions between communities in the state can't be resolved with a securitised approach

he rapid escalation of violence in Manipur is shocking on two counts — one because it appears to have caught local authorities completely unawares, and second, because of the sophisticated weaponry, including drones, being used by groups, which indicates that attempts by the security forces and the government to recover looted weapons has not succeeded. The fresh wave of clashes — which has killed at least ten people since September 6 now threatens to besiege the beleaguered state and rupture the fragile peace that held for close to three months. Worse, six of the ten victims hailed from Jiribam, a district that is home to Meiteis, Kukis, Bengalis, Nepalis, Nagas, and other communities and one that remained largely peaceful despite the state being roiled in clashes. Clearly, the fact that ethnic fault lines have not been bridged for close to 16 months—a clash that once pitted Meiteis and Kukis against each other now seems to engulf almost the entire state— should put the local administration in the dock. Instead, the Manipur government and chief minister (CM) N Biren Singh have made a push for the security apparatus to be brought under the state's control. Singh and several lawmakers, including members of

Singh and several lawmakers, including members of the cabinet and the speaker, made the demand in a memorandum to governor Laxman Prasad Acharya. This approach is unlikely to work. Since May 2023, the State has failed in Manipur—in establishing law-and-order, in assuaging the grievances of various communities, and in appearing as an impartial arbiter in a dispute with longstanding grudges. In fact, the appointment of a security adviser in the state was done precisely because a sizeable chunk of the population couldn't repose their trust in the CM. That situation has

precisely because a sizeable chunk of the population couldn't repose their trust in the CM. That situation has not changed on the ground. Instead, as the recent flareup suggests, it has only intensified.

The original conundrum in Manipur—a lack of trust between communities, and between some communities and the administration—has not been addressed by the state government. This cannot be resolved with a securitised approach, as has been made clear over the last 16 months; it needs a political process that listens sensitively to the concerns of all sides, and that listens sensitively to the concerns of all sides, and that instens sensitively to the concerns of an stores, and leaders who have the confidence of every community. And it needs a clear and transparent process of accountability where every victim of violence gets their time in court, and impartial justice. A wounded state needs a salve, not force and political posturing.

Act against green violations in Delhi

he Central Empowered Committee (CEC), constituted by the Supreme Court to monitor compliance with its conservation-related orders, assessed 20 construction projects in Delhi's forests and Ridge area and found just five adhered to conditions set for such activity. The CEC has reported that there was non-compliance on multiple fronts, including on-site greening norms, compensatory afforestation for tree felling, and mandatory approvals under the Forest Conservation Act. Such non-compliance being Conservation Act. Such non-compinance being rampant within the national Capital, where monitoring presents fewer challenges than in a remote part of the country, is quite telling of the impunity of those involved — including the DDA, PWD, JNU, and the erstwhile South Delhi Municipal Corporation. Part of the blame for the brazen violations, of course,

lies with the Delhi government's forest department and the Ridge Management Board (RMB), which have failed not only to record the lack of compliance but also to verify the track record of the project proponents and their earlier projects before giving their approval. But equally, it is a problem of enforcement, which the CEC delineates in its report. Most proponents comply with the conditions laid down only till the tree felling happens and construction activities start, and seldom beyond. With little in terms of punitive action, non-compliance is *de facto* tolerated. As a remedy, the CEC report recommends a centralised information system where compliance details at each stage of a project must be reported. While, on paper, this would ease monitoring, the authorities will still have to undertake authentication exercises for the portal to be effective. CEC recommends that the RMB deny permission to proponents with a history of non-compliance. The need, however, is also to provide for the imposition of costs on violators to achieve deterrence. Worsening environmental issues in the Capital make this an imperative.

Vistara's promising run grounded at take-off

As brand Vistara is set to disappear, loyal fliers and some employees watch in dismay

watch in dismay

The are at a deja vu moment in India's aviation history. After Jet Alivays, After Jet After and staff of the affiline as they lamented its demise. For loyal zet fliences and staff of the affiline as they lamented its demise. For loyal zet fliences, It took many months to accept that the brand they had gown in lower than the staff of the affiline as they are all the staff of the affiline and they had gown in lower than the affiliate of the affi

are in full command of their travel plans: date, time and fare. The timing of the merger is even more poignant for Vistara employees and management since, recently, for the first time since inception, the airman and the since inception, the airman and the since inception, the airman and the since inception, the airman and amortisation jook (carnings before interest, taxes, depreciation, and amortisation) post-great the since inception and amortisation jook plans over 10%. Complaints were low, loads on aircraft high, and boasted good on-time performance. Vistara had finally arrived on the indian aviation scene, so to speak. It hadn't been an easy arrival by any stretch. In the first phase, the airline managed to get many things wrong; the model, the air-craft configuration, its cost structure and the contracts entered into. Selling premium economy for shorter domestic hauls in the early days proved hard and the airline domestic hauls in the early days proved hard and the airline domestic hauls in the early days proved hard and the airline domestic hauls in the early days proved hard and the airline domestic hauls in the early days proved hard and the airline domestic hauls in the early days proved hard and the airline domestic hauls in the early days proved hard and the airline domestic hauls in the early days proved hard the product. Flers who Rev and liked the premium economy offering were miffed when they flew on another route and found it missing. For many years, routes and frequency remained an issue. Many fleries who preferred Vistara were frequencies.

Despite bringing in two expansivith a wealth of experience from its partner Singapore Airlines (SIA), the airline contained to struggle. The fact that the might of the Tair group in lind and the expertise of SIA halid to

runway was a matter of deep disappointment to the sector as a whole. It was only after the pandemic that the pandemic th



Will Air India up its game and operate more like Vistara or will Vistara lower its standards and end up more like Air India?

although the fares charged do not reflect this. Moreover, after the pan-demic, like all the other airlines, it has struggled with an unhappier employee pool. Complaints and alle-gations of transgression have risen, often targeted at the top manage-ment.

gations of transgression have risen.
After the merger process began. April 2024 saw a series of protests and a spate of flight cancellations that threw its operations out of gera as the two airlines tried to bring the employment terms on par. Company insiders any that Vistan has its own culture, and ethos and its now a fairly respected brand, all of which this merger threatens to destroy. Many quote the disastrous merger of Air India and Indian Airlines to cite the Buttop Air India and Indian Airlines to cite the Buttop Air India management and some Vistara executives maintain that all of operantory work for the merger has been done at the backend and fliers should not be unduly concerned. The Vistam fleet will function the way it does now and it's not as if the purple and mustard tail will disappear from the sides in a jiffy, they insist.
All assurances aside, uncertainty is

the purple ans management from the skies in a jitty, may appear from the skies in a jitty, may insist.

All assurances aside, uncertainty is the new tagline at the carrier. While almost all the crew, commanders and technical staff of the 6,000-odd strong employee base need not be concerned

emore like vistara or will Vistara ike Air India?

for its jobs, it still remains unclear what happens to some of the non-technical staff and top management, including its CEO and chief operating officer. Top Air India officials said that they did not see any role for members in Air India officials said that they did not see any role for members in Air India as these positions are already filled at the parent. Uncertainty also plagues the minds of its loyal club members who remain wary of the abilities of the merged entity and what it will offer in terms of service standards, as well as on-time performance as Air India system of service standards, as well as on-time performance as Air India system of the control of the control of the control of the control of the other will Air India up its game and operate more like Vistara or will Vistara lower its standards and up more like Air India?

say on record, for a section of the Indian Infying public and many of the airline's existing employees, this unch-dreaded moment of departure for brand Vistara has arrived too soon after its arrival. "Psing the new feeling" is poised to take on a new meaning altogether.

Anjuli Bihargma it a senior journalist who

Need to treat suicide as a public health problem

oday is World Suicide Prevention
Day, Suicide is a deeply troubling
issue that affects individuals, families, and communities across the
world, with around 70,000 suicide deaths
pearly, India has one of the highest numbers
of suicide deaths in the world, with at least
70,000 deaths (12 per 100,000 persons) in
2022.

We now know that suicide is a complex

We now know that suicide is a complex health issue, driven by a combination of serious stress in life. mental health conditions, and other factors. By addressing the underlying causes of suicide and fostering a supporting cause of suicide and fostering a supporting cause of suicide and fostering a supporting control of the control of

acceptive peer pressure, substance abuse, and lack of access to health care are among the many challenges that increase the risk of suicide.

While mental health is a crucial aspect of suicide prevention, addressing broader societal issues—such as powerty, social incupality, gender inequity, and intergenerational discord — is essential for effectively reducing suicide deaths. Its important to broaden the scope of suicide prevention in India from the National Mental Health Programme to a larger public health approach, with a whole-of-society engagement, to address the social and economic risk factors leading to suicide deaths in India, Globally, more men die by suicidie than women. While this is also true for India, suicide death rate among Indian women is estimated to be double the global average. It is the leading cause of death among women in the age group of 15-39 years. Suicides among young women often reflect oppressive social apressures, unmet needs for support, and mental health issues. Women face unique challenges, including gender-based violence, body image issues, and academic or career pressures. These contribute to feelings of hopelessness. Rising rates of suicide in this demographic signal a failure to create supportive environments to address societal factors that disproportion and yaffect young women.

Media attention in India has highlighted

tors that disproportionatory deceases a com-women.

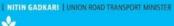
Media attention in India has highlighted suicides among farmers and students. Besides farmers and students, other groups are vulnerable too. Data suggest that the majority of suicide deaths are in the 15-39 years age group. This encorpresses students, people who are working, people who are looking for work, and housewives. It is important to look at the risk factors among all such groups.

data collected by the police and reported by
the National Crimes Record Bureau (NCRB),
because suicide deathsare considered umanural deaths. Such data are not in a standardised format for use in research. However,
these data can be improved, through effective collaboration between the police and
health departments, to enhance our understanding of the dimensions, determinants
and dynamics of suicide in the population.
This can guide effective prevention efforts
that the properties of the population.
This can guide effective prevention efforts,
appropriate interpretation of the available
data within its limitations is crucial. Reporting on just a few occupational groups provides only a limited understanding of what is
happening in the community at large. Even
among specific groups such as students, the
estimated rate must be for all students. If the
problem is serious, disaggregated data analysis will then provide valuable insights into
which sections among students are especially vulnerable. Ancedotal reports
are alerts, not estimates.

The NCBB report does not allow a
direct under standing of the students
by occupation. It does not reveal if
students are laking their lives
because of exam pressure, bullying,
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Rakhi Dandona is professor of public health, and K Srinath Reddy is distinguished professor of public health at the Public Health Foundation of India. The views expressed are personal



We should make India the number one automobile manufacturing hub in the world. Factors such as advancement in tech, and availability of a talented workforce can work in the country's favour

THE

Leverage historical ties for new areas of cooperation

cent years have witnessed a range of watershed moments in the United Arab Emirates (UAE)-India bilateral relationship. Across all facets of the partnership, we have experienced not only growth and reseaval but also a deepening of the historical bonds of friendship and cooperation was based lone shared.

partnership, we have experienced not only growth and resvol but also a deepening of the historical bonds of friendship and cooperation we have long shared.

The official visit to India of Sheith Shadel bin Mohamed bin Zayed Al Nahyan, the Crown Prince of Abu Dhabt, this week is a testament to the strength and continuous enhancement of the relationship and attests to the importance the UAE places upon its strategic partnership with India. The occasion of this visit also provides an opportunity to reflect upon the transformative impact our ties have had, and will continue to bave in the years too once.

From growing strategic alignment to the UAE's emergence as a India's second-largest expert destination, third-largest travelag partner, and fourth-largest investor, political, economic, and cultural dies between the UAE and India and the proposition of the proposition of the proposition of the UAE's emergence as India's second-largest expert destination, third-largest travelage partnership is the recognition of both governments that it is essential that our societies are able to obtain tangible benefits from the strong strategic foundations we have built. Across all areas of our relationship, Emiratis and Indians, on a daily basis, are reaping the rewards of the closer economic Integration, cultural inclusivity, and political understanding we have consistently sought to foster.

These dynamics can be discorned in the positive impacts of the UAE-india Comprehensive Economic Partnership Agreement (CEPA). Since the CEPA's implementation on May 1, 2022, the UAE and Indian exports to the UAE friend parallel and Indian exports to the UAE is high an impressive 27%. Significently, the CEPA base controlled to an impressive 27% Significently, the CEPA has conveniently and political and conspection of the continued to an impressive 27% Significently, the CEPA has conveniently and political and conspection of the continued to a considerable achievement and underscores the considerable achievement and underscores the considera

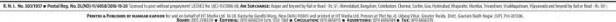
direct benefits of the CEPA to the UAE's and India's vital non-oil economic sectors.

These been forturate to observe the progressive and constructive effects of this agreement first-hand through the UAE-India GEPA council—a platform that has been specifically designed to promote grassroots-level engagement and open dialogue between the governments and businesses of our two countries. Direct interactions with businesses across the length and breath of India, including green length and breath of India, including green control of the properties of

the benefits that can be achieved through the provision of gruster connectivity and improved choice for our increasingly agile and internationally mobile societies.

The outlook for UAE-India bilateral ties is bright, with numerous opportunities for collaboration across various sectors. As both mations look to establish new avenues for cooperation in our partnership, fertile ground exists to further leverage our complementary economic strengths and shared cultural values to build a resilient, inclusive, and prosperous future together.

isser Alshaali is the ambassador of the United Arab Emirates to India. The views expressed are personal



Opinion

Looking beyond Sanskrit

ndia commemorated
Sanskrit Day on August 19 to
highlight and promote the
richness and antiquity of
Sanskrit. At the same time,
recognising the contributions of
the nation's other languages is
equally important. While Sanskrit
has played a significant role in our
cultural, religious, and intellectual
history, focusing solely on this
ancient language may overlook the
rich literary traditions of other
ludian tongues. Indian tongues. Sanskrit, one of the oldes

languages in the world, holds a prestigious place in the liturgical and scholarly traditions of Hinduism, Buddhism, and Jainism. Its vast corpus of literature, including the Vedas, Upanishads, epics such as the Mahabharata and Ramayana, and numerous classical texts on numerous classical texts on philosophy, science, and arts, cements its importance in Indian culture. Historically, Sanskrit received patronage from religious institutions, royal dynasties such as the Guptas and Cholas, and colonial-era European scholars such as William Jones and Max Müller. Post-independence, efforts to promote Sanskrit have been seen as a means to reconnect with India's ancient heritage.

Rich literary traditions However, India's linguistic landscape is incredibly diverse, However, India's linguistic landscape is incredibly diverse, encompassing numerous ancient languages with rich literary traditions, including Tamil, Pali, Prakrit, Kannada, Telugu, and Malayalam. These languages have extensive literary, religious, and cultural histories. Tamil, for instance, boasts classical Sangam literature and ancient origins, with archaeological findings and epigraphic evidence supporting its antiquity. The discovery of Tamil-Brahmi script inscriptions from the 2nd century BCE in Tamil Nadu and Sri Lanka challenges the notion that Sanskrit predates
Tamil. Scholars such as Kamil Zvelebil have highlighted the richness and antiquity of Tamil literary tradition, arguing that it is



John I. Kennedy Professor and Dean, Christ University,

one of the oldest living languages with an unbroken literary history. Despite this rich diversity, there is a perception, which is not entirely unfounded, that the

entirely unfounded, that the Indian government privileges Sanskrit and Hindi over other languages. As per the 2011 Census, only 24,821 people reported Sanskrit as their mother tongue. While more individuals may study or use Sanskrit in religious or academic contexts, its status as a spoken language remains limited. spoken language remains limited. Yet, the government spent ₹643.84 crore for promoting Sanskrit between 2017 and 2020 compared to just about ₹23 crore on Tamil. This disparity highlights an imbalance in funding that can affect the development of other regional languages, impacting research, publication, educational mes, and cult ervation efforts. In fact, preservation efforts. In fact, neglecting these languages can lead to their endangerment, especially those spoken by smaller communities. Hence, ensuring the survival and vitality of these languages requires balanced support and promotion.

Language supremacy Antonio Gramsci's theory of cultural hegemony helps explain how language supremacy is established through cultural and idealegies means. In Irdia ideological means. In India, privileging Sanskrit and Hindi can be seen as a form of cultural hegemony, where these languages negemony, where these languages are positioned as superior, influencing the cultural and social framework. Despite their rich histories and literature, this dominance marginalises other dominance marginalises other languages. Promoting specific languages over others can be traced back to colonial and postcolonial state-building processes that aimed to unify and standardise the nation, often disregarding linguistic diversity. Robert Phillipson's concept of linguistic imperalism also applies here. Privileging Sanskrit and Hindi in educational institutions, governmental functions, and media reinforces their dominance. This could erode linguistic diversity and marginalise speakers of other languages. Pierre Bourdieu's idea of cultural capital suggests that privileging certain languages provides social and economic advantages to their speakers, further marginalising other languages.

Addressing this biased approach requires comprehensive policy reforms, educational initiatives, cultural promotion, community engagement, and

community engagement, and technological support. The government must implement policies promoting all languages equally, ensuring representation in educational curricula, governmental proceedings, and public media. The National Education Policy's focus on mother tongues is a step in the right direction. Cultural events right direction. Cultural events and literary programmes celebrating linguistic diversity should be encouraged, and adequate support for publishing and disseminating literary works in all languages must be provided. Involving local communities in preserving and promoting their languages, creating platforms for speakers of marginalised languages to share their stories and cultural practices, and utilising technology to develop language learning tools and digital content in local languages are crucial steps. Equitable distribution of resources for content in local languages are crucial steps. Equitable distribution of resources for promoting all Indian languages is essential. Language policies should promote inclusivity and accessibility, ensuring all communities can learn and use their native languages alongside Sanskrit. Educational reforms should emphasise multilingualism. Language is not simply a tool for communication; it is a core part of one's identity. In a country as diverse as India, privileging specific languages over others can create significant cultural and political issues. By promoting linguistic diversity, India can celebrate its rich linguistic heritage while ensuring the development of all its languages.

The cop who landed CPI(M) in a soup

A senior police officer's meeting with RSS leaders has put Pinarayi in a tight spot

STATE OF PLAY

S. Anandan

n his first term as Kerala Chief Minister from 2016 to 2021, Pinarayi Vijayan faced scrutiny for the way he helmed the Home Ministry. He drew sharp criticism for police excesses, extrajudicial killings, and the indiscrimi-nate invocation of the draco-nian Unlawful Activities (Pre-nian Unlawful Activities (Prenian Unlawful Activities (Pre-vention) Act (UAPA), 1967.

Under fire, the party's then State secretary, Kodiyeri Ba-lakrishnan, who served as the Kerala Home Minister in the V.S. Achuthanandan-led Cabi-V.S. Achuthanandan-led Cabinet in the 2006-II period, was at pains to explain that the arbitrary use of the UAPA by the police violated the Left Democratic Front (LDF) government's stated policy. There was bickering within the LDF that a section of the State police was getting 'saffronised' and was working to create disaffection with the State government.

government. But Mr. Vijayan's focus in his first term was to keep the morale of the police force high, no matter the barrage of charges it faced for rights vio lations, custodial torture, and eral misconduct.

The ghosts of the past have resurfaced now. Halfway through his second term, Mr. Vijayan is under scrutiny once again for a senior police officer's meeting with top leaders of the Rashtriya Swayamsevak Sangh (RSS), the ideological fountainhead of the Bharatiya Swayamsevak Sangh (RSS), the ideological fountainhead of the Bharatiya Janata Party (BJP). The controversy has put the Communist Party of India (Marxist), which is still smarting from the LDF's crushing defeat in the Lok Sabha elections, in a soup. It couldn't have occurred at a more inopportune moment The ghosts of the past have



for the party, which has kickstarted branch-level meetings in the run up to its next State conference and party con-gress, where an organisational reshuffle is scheduled to take place. Worse, the panchayat elections are just around the

orner. The knives are out in the The knives are out in the LDF. The Communist Party of India (CP), the second-largest constituent of the alliance, has sought a thorough investigation into the 'secret' meeting between M.R. Ajith Kumar, additional director general of police (law and order), who is believed to be a close confidant of Mr. Vijayan, and at least two senior RSS leaders.

The Congress alleges that the meetings were held at the behest of Mr. Vijayan to 'strike a deal with the RSS,' which resulted in the police 'deliberately mishandling' the Thrissur Pooram, a massive annual temple festival, in April. The Kisruption of the Pooram, the Congress argues, helped the Congress argues, helped the

usruption of the Pooram, the Congress argues, helped the BJP capitalise on the hurt Hin-du sentiments to post its first win in a Lok Sabha seat in Kerala.

Kerala.

But the first salvo against Mr. Ajith Kumar was fired by the Left-backed independent legislator, PV. Anvar, who until recently enjoyed tremendous support from the CPI(M) cadres on social media. While the timing of Mr. Anvar's attack raised many eyebrows as tack raised many eyebrows as it coincided with the CPI(M)'s

the allegations, ranging from corruption to criminal deeds, were not just serious but alarming. While a team of officers supervised by the State Police chief was tasked with investigating the allegations, the fact that the Chief Minister allowed Mr. Ajith Kumar to continue to be in charge of law and order led to questions about the veracity of the inquiry and Mr. Vijayam's probity. The issue has made branch committee meetings of the committee meetings of the CPI(M) noisy, with Mr. Vi-jayan's silence and perceived inaction coming under fire. At stake for the party is its avowed posture as the sole credible political counterforce against a right RIP That claim.

croedible political counterforce against a rising BJP. That claim has already weakened, as the CPI(M) was forced to sack its central committee member, E.P. Jayarajan, as the convenor of the Left Front after the party made the assessment that his political indiscretion had cost the Left dearly in the Lok Sabha pollis. Mr. Jayarajan's polling day admission of a meeting with BJP Kerala in charge, Prakash Javadekar, and his family's controversial business ties with a firm run by a BJP leader, Rajeev Chandrasekhar, led to his removal. In the present case, the

In the present case, the moot question is whether the Chief Minister had any inkling The control of the co

Over 70% child deaths in India are linked to malnutrition

Death rates from malnutrition are much higher in low-income countries, where children often don't get the diversity of nutrients

DATA POINT

n 2021, in India, 0.7 million children under the age of five died. Of these, 0.5 million of the deaths were attributed to child and maternal malnutrition. That means, over 70% of them were linked to nutritional deficiencies. In the same year, the world over. In the same year, the world over, 4.7 million children under the age of five died; 2.4 million of those were attributed to child and maternal malnutrition. That means around 50% of child deaths – about 20% points less than India's figures – were linked to nutritional figures – we deficiencies

deficiencies.

In most cases, children don't die of mahutrition. They die from conditions that are exacerbated or are triggered by it. In most cases, it is a risk factor for premature death. In Chart I, we can see how many child deaths are attributed to different nutritional risk factors in India.

by far, the biggest is low birth weight, which often happens be-cause the mother is malnourished or has experienced infectious diseases during pregnancy. After the first few weeks or months of life, children are also more vulnerable to infection and disease when they are underweight or are malnour ished and don't develop at healthy rate. Hundreds of thou sands die as a result of 'wasting', which means their weight is too low for their height, or 'stunting', which means they are too short for

their age.

Death rates from malnutrition are much higher in low-income countries, where children often don't get the diversity of nutrients they need and where infectious diseases are much more common in Chart 2, malnutrition deaths are plotted on the vertical axis and aross domestic product (GDP) per gross domestic product (GDP) per person on the horizontal axis. In rich countries – on the right of the

CM C

rates are 20 to 50 times

While Sanskrit deserves its place in India's landscape, it is imperative that other languages also receive

recognition and

chart – rates are 20 to 50 times lower than in the poorest countries, on the left. Most malnutrition deaths occur in Sub-Saharan Africa and South Asia. BRIGS countries are highlighted in the chart. Thankfully, fewer children are dying from malnutrition than a few decades ago. Chart 3 shows the Institute for Health Metrics and Evaluation's estimates of the number of child deaths related to malnutrition since 1990 in India. malnutrition since 1990 in India.

The world over, around 6.6 million deaths were linked to these risks in 1990. By 2021, this had fallen to around 2.4 million – a 63% drop. Improvements in nutrition have driven some of this decline. In India, the corresponding drop was from 2.4 million to 0.5 million

was from 2.4 million to 0.5 million – a 80% drop.
Progress in tackling infectious diseases has also been crucial. Disease and malnutrition have a bidirectional relationship. This means that if diseases are less common, the health risks from being malnourished are also lower. In the last few decades, deaths from diarrhoeal diseases have plummeted thanks to clean water, improvements in sanitation, handwashing, and better and more widespread and better and more widespread treatments. Antimalarials and bed nets have reduced malaria death rates. Most children are vaccinated against tuberculosis, and a grow-

ing number are against rotavirus. Support for mothers and babies support for mothers and bables during pregnancy and after birth has also improved. More births are attended by skilled health work-ers, which means that when ba-bies are born with very low birth weights, professional medical workers are there to help and advise.

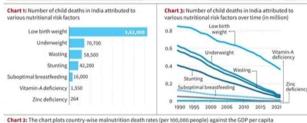
advise. Tackling the diseases and health conditions that affect mal-nourished children is another way of reducing the poor health out-comes of malnutrition. But of course, improving the nutrition of children and mothers is crucial.

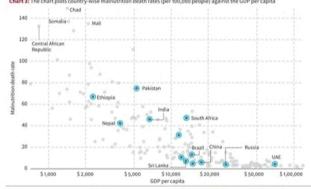
Hannah Ritchie is the deputy editor and Science outreach lead at Our World in Data

Deaths from hunger

rld in Data titled "Half of all child deaths are linked to malnutrition







FROM THE ARCHIVES



FIFTY YEARS AGO SEPTEMBER 10, 1974

Ford grants Nixon "full, free and absolute pardon"

Washington: The United States President, Mr. Gerald Ford, to-day granted former President, Mr. Richard Nixon, "a full, free and absolute pardon" for all offences against the United States" during the period of his presidency. Speaking before newsmen and a single television camera in his Oval office, Mr. Ford said, "I feet that Richard Nixon and his loved ones have suffered enough." In a formal statement which he read, Mr. Ford declared: "My conscience tells me clearly and certainly that I cannot prolong the bad dreams that continue to reopen a chapter that is closed. My conscience tells me that only I, as President, have the constitutional power to firmly shut an conscience tells me that only I, as President, have the constitutional power to firmly shut and seal this book." Mr. Ford departed from his prepared statement to say that the situation Mr. Nison found himself in prior to the broad pardon "threatens his health." As he read the statement, Mr. Ford said." "It is common knowledge that serious allegations and accusations hang like a sword over our former President's head and threatens his health as he tries to reshape his life, a great part of which was spent in the service of this country and by the mandate of its people." In explaining the reasons for his action, which had not been anticipated at this time, the President said that months and perhaps years would pass before Mr. Nixon could get a fair court trial. The proclamation granting pardon to Mr. Nixon for the period from January 20, 1969 until Jug. 9. procumation granting partion to an Naxon for the period from January 20, 1969 until Aug. 9, 1974 – the day Mr. Nixon resigned – was signed by Mr. Ford in the presence of newsmen and photographers. The action came almost one month to the day after Mr. Nixon resigned the presidency under the pressure of the Watergate scandal.

A HUNDRED YEARS AGO SEPT. 10, 1924

Boycott propaganda in Bengal.

Calcutta, Sept. 8: In pursuance of a resolution adopted by the Bengal Congress Committee urging the boycot to British cloths, some 50 volunteers headed by some Swarajist leaders today paraded the Barrah Bazaar section of the town in procession singing national songs and requesting the shopkeepers not to sell British clothes.



Taking TB seriously

Early adoption of the new treatment regimen is welcome

ime is of the essence in adopting ad-vanced technology in medical care. When medical technology arrives dragging its feet, then its transformative effects are not that dramatic. The Union Health Ministry's not that dramatic. The Union Heath Ministry's decision to introduce the new treatment regimen for drug-resistant tuberculosis hardly a couple of years after it was recommended by the World Health Organization (WHO), is a step in the right direction. Last week, the government approved the BPaLM regimen comprising four drugs — Bedaquilline, Pretomanid, Linezolid and Moxifloxathe BPaLM regimen comprising four drugs – Be-daquiline, Pretomanid, Linezolid and Moxilloxa-cin. This regimen has been proven to offer better outcomes, remarkably shortening the duration of reatment, and resulting in improvements in quality of life for persons living with multidrug-resistant tuberculosis (MDRTB), which resists treatment by isoniazid and rifampicin, the two hitherto frontline drugs in TB treatment. The move makes tremendous sense for a country hat voluntarily set itself an earlier target for TB elimination by 2025, five years ahead of the global target under the UN Sustainable Development Goals. TB elimination means there should be under one case of TB for a population of 10 lakh. Traditional treatments can last up to 20 months, and entail severe side effects for the patient. The BPaLM regimen is reputed to cure drug-resistant TB in just six months, with a high success rate, it is particularly significant in this country, because an estimated 75,000 people living with drug-resistant TB can now switch to this shorter, cheaped and the production of the proposed proposed

ed in improved case detection, higher treatment coverage, better treatment success rates, and fall-ing death rates. Extra support (financially, nutri-tionally and societally) in the form of the Ni-kshay Mitra scheme has also yielded results. India's re-duction of TB incidence by 16% from 2015 to 2022 is almost double the pace at which global TB indence is declining, as per WHO's Global TB Re-port 2023. Mortality has also reduced by 18% dur-ing the same period in India. It was beit which port 2023. Mortanty has also reduced by 18% duti-ing the same period in India. It was India which led the way earlier with its Directly Observed Therapy Short-course programme, revolutionis-ing TB care back in the day with supervised admi-nistration of drugs. Centring its patients, the go-vernment should not merely follow, but be a pioneer in diagnosing and treating TB.

Stolen vote

Macron's impulsive decisions are pushing France into political turmoil

mmanuel Macron, France's centrist President, called a snap parliamentary election in June after the country's far-right National Rally (RN) finished first in the European elections. Mr. Macron wanted a fresh national mandate against the far right. But in the elections, held in two rounds in June and July, no parry won a majority (289 seats) with the leftist New Popular Front (NFP) emerging as the biggest bloc, with 182 seats. Mr. Macron's Ensemble won 168 seats and the RN finished third with 143 seats. The NFP immediately staked claim to form the next government and even picked a prime ministerial candidate. But after two months of a political deadlock, Mr. Macron, last week, picked Michel Barnier, a veteran from the conservative Republi-Barnier, a veteran from the conservative Republi-can party, which finished fourth in the election with 46 seats, as the new Prime Minister. In ef-fect, Mr. Macron called the snap election to de-feat the far right, saw the victory of the left-wing bloc, but appointed a conservative as the Prime Minister. His decision has angered many French voters, with tens of thousands of them pouring

Minister. His decision has angered many French voters, with tens of thousands of them pouring into the streets on Saturday to protest against the "stolen vote". The NFP, especially its leader Jean-Luc Melenchon, has slammed Mr. Macron's "betrayal" of the public mandate.

Mr. Macron's rationale was that he chose "institutional stability" as most other political blocs were opposed to a leftlist forming the government. In the current arrangement, Mr. Barnier would seek to form a minority government with support from Mr. Macron's party and indirect support (through abstention) from the RN. So, if Mr. Macron alled the snap elections to defeat the far-right RN, his pick for the post of the Prime Minister would be dependent on the far right's mercy to stay in power and push legislation through Parliament. Mr. Macron wants a leader who can form "a unity government to serve the French people", and Marine Le Pen, the far-right leader, wants a Prime Minister "who works for RN voters". Mr. Barnier, 73, has served in several conservative cabinets and was the EU's main Brexit negotiator from 2016-21. His job is to form a government that would take Mr. Macron's agenda forward without irking the far right, Whether he would succeed or not, Mr. Macron's move itself is a sledgehammer blow to democracy in France. His impulsive decisions to push the country into elections and then ignore the spirit of the people's mandate are not typical of leaders of matured emocracies. By rejecting the winner of the election and picking a Prime Minister who is acceptable for the far right, Wn. Macron's move itself is a making a mockery of the people's choice and also mainstreaming the far right, Wn. Macron's move itself is a making a mockery of the people's choice and also mainstreaming the far right, Wn. Macron's move itself is a length of the people's choice and also mainstreaming the far fight, Wn. Macron's move itself is a making a mockery of the people's choice and also mainstreaming the far fight, Whether he has made a big mistake.

Regulatory reform stuck in a loop in Health Ministry

arlier this year, the Drugs Controller General of India (DCGI), working under the direct control of the Ministry of the Health and Family Welfare, announced policy initiatives on three issues: recall guidelines, guidelines on good distribution practices and the use of similar brand-names by

pharmaceutical companies for their drugs. All three measures have a direct impact on public health. Recall guidelines are meant to swiftly remove drugs that fail testing in government laboratories from the market. The guidelines on good distribution practices are meant to regulate how drugs are stored and distributed during transit and sale. The measure against confusing brand names is aimed at preventing prescription errors, wherein wrong drugs are dispensed to patients causing them

Unfortunately, these measures either lack the force of law or are poorly thought through. For over a decade, we have seen this old wine of vague guidelines and cautionary letters sold to us in a new bottle, disguised as concrete measures

The 59th report of the PSC
A good starting point for this discussion is the 59th report of the Department Related
Parliamentary Standing Committee on Health & Family Welfare (PSC) which was tabled in 2012. In this report, which focused on how the national drug regulator, the Central Drugs Standard Control Organisation (CDSCO) functions, the PSC raised a host of issues including the lack of recall guidelines, the lack of standards for storage of drugs and the problem of confusing brand drug names.

drugs and the problem of confusing brand drug names.

These issues were flagged decades before the PSC examined them in its 59th report. The lack of recall guidelines was flagged during a meeting of the Drugs Consultative Committee (DCC) back in 1976 when State drug controllers realised that drugs ordered to be withdrawn in one State due to quality concerns were being sold in a neighbouring state. The lack of proper standards for storage of drugs, especially during transportation, was flagged by the Supreme Court of India in 1974, in Swantraj & Ors vs State Of Maharashtra. Similarly, the issue of similar brand names for different drugs was flagged by the Court in 2001 in Cadilla Healthcare Limited vs Cadilla Pharmaceuticals Limited.

Court in 2001 in Cadila Healthcare Limited vs Cadila Pharmaceuticals Limited.

When the PSC raised these very issues in its 59th report, it created significant pressure on the Ministry of Health because it demanded follow-up action. The PSC even published a scathing "Action Taken Report" the following year indicating its unhappiness with the lack of effective reform by the Ministry of Health. Unfortunately, these issues raised by the PSC over a decade ago are yet to be tackled effectively and



Dinesh S. Thakur the co-author of 'The Truth Pill: The Myth of Drug Regulation in



Prashant Reddy T. the co-author of 'The Truth Pill: The Myth of Drug Regulation in India' (2022)

have been stuck in a loop at the Ministry of Health, since the bureaucracy is either unable or unwilling to tackle these issues.

Non-binding guidelines in a loop
For example, the most recent drug recall
guidelines announced in August by the DCGI
were in fact first announced in the year 2012 after
the PSC report was tabled and then again in 2017.
In all three instances, the initiative for drug recall
guidelines camp from the office of the DCGI guidelines came from the office of the DCGI, except that the DCGI lacks the legal power to make rules that are binding and have the force of law. Only the Ministry of Health has that power under the Constitution. As a result, 48 years after the lack of recall guidelines was first identified at the DCC, India continues to have these guidelines which cannot be legally enforced and the breach of which have no legal consequences. It is no wonder then that we never hear of action removing 'not of standard quality drugs' from the

wonder then that we never hear of action removing 'not of standard quality drugs' from the market.

The story with the guidelines to regulate the storage of drugs during transit and sale is even more depressing. After the PSC report, a proposal to adopt good distribution practices guidelines formulated by the World Health Organization (WHO) came up for discussion at the meeting of the DCC in 2013. The proposal at at time was to make good distribution practices guidelines legally binding. However, this proposal was opposed within the DCC because it was felt that it would be too "difficult to implement" across the estimated six lakh retail outlets in the country – the DCC likely anticipated pushback from trade associations of pharmacies since the good distribution practices guidelines would require investments in storage equipment. This reluctance to make good distribution practices guidelines mandatory was a dereliction of duty toward public health because India is a hot and humid country. In many parts of India, especially during summer, drugs are guaranteed to degrade without proper temperature and humidity controls. In 2019, the GDP guidelines were back on the DCC's agenda after a raid at the wholesale market for medicine at Bhagrath Palace. New Delhi revealed shockingly poor storage practices for drugs, including vaccines. This time though, the DCC resolved to make good distribution practices guidelines into binding law. The matter came up again at a meeting of the DCC earlier this year where the government has admitted that the lack of the binding nature of the GDP guidelines year where the government has admitted that the lack of the binding nature of the GDP guidelines lack of the binding nature of the GDP guidelines was a problem. However, instead of proceeding to declare the guidelines as binding law, the government has once again decladed to conduct another round of consultation with stakeholders, thereby further delaying the implementation of WHO standards

WHO standards.

The story with confusing brand names follows a similar trajectory. Despite being flagged by the

top court in 2001 and the Parliamentary Standing Committee in 2012, the government did nothing to fix the problem. After receiving a rap on its knuckles from the Delhi High Court in 2019, the government introduced an entirely useless legal rule to address this issue. Instead of creating an obligation upon the regulator to vet the brand names before a drug could be marketed, the Ministry created a rule requiring pharmaceutical companies to provide a self-declaration that their proposed brand name was not similar to any of the existing brand names in the market. In most other countries, it is the duty of the regulator to the existing brand names in the market. In most other countries, it is the duty of the regulator to vet the brand name, to ensure that it is not confusing or misleading from a public health perspective. It makes no sense to ask the pharmaceutical industry to self-regulate on this issue as evidenced by the large number of confusing pharma brand names in India even after these rules came into force. Earlier this year, after we wrote about the issue in this daily, the National Human Rights Commission (NHRC) intervened and issued notice to the Ministry of Health. In response, the Directorate General of Health Services (DGHS) wrote a letter to the Registrar of Trademarks asking to ensure that confusing trademarks were not registered. The DGHS completely misses the point that trademark registration is voluntary. Many companies do not seek to register their brand names as a trademark. Even when trademark applications are filed, the Registrar of Trade Marks conducts a perfunctory "confusion analysis" that does not include a public health perspective. Brand names should ideally be scrutinised by the regulator for being misleading and fanciful from a health perspective.

and fanciful from a health perspective.

Breaking the loop
The three reform measures discussed here are reflective of a consistent leadership failure in the higher echelons of the Ministry of Health. Matters pertaining to drug regulation are meant to be guided by a joint secretary heading the Drug Regulation Section in the Ministry. This officer, who usually halls from the All India Services, holds the post for a few years before moving on to the next posting. She has little domain expertise in this area and lacks the institutional knowledge that policymaking requires. We suspect that with every newly appointed joint secretary, these files go through with repeated consultations with stakeholders in the pharmaceutical industry. In each of these consultations, the trade associations of pharmaceis and pharmaceutical companies use every trick in the book to stall the necessary action and the bureaucracy uses a familiar action and the bureaucracy uses a familiar playbook of repeat consultations to stall concrete action. We doubt that the loop will be broken without the direct intervention of the Prime

Next Census should be the last enumeration-based one

ccording to media reports, India is likely to begin conducting the long delayed to begin conducting the long delayed census report might be available sometime in late 2026 or in 2027, with a roughly 16-year gap since the last Census of 2011. The COVID-19 pandemic, however, is cited as the primary reason for the delay in the census.

As per a United Nations report, in the interim, India surpassed China in population. There have been significant changes in the demographics too. Hauz khas, a posh neighbourhood in southern Delhi with affluent urbanites, was partly designated as rural in 2011, for example.

While many people are worried that India has been operating without proper data for a long time, in today's world, there remains a significant discrepancy between reality and the data available, even for a decennial census. This discrepancy is especially noticeable as the decade-long gap draws to a close. In actuality, the decennial format of most censuses was merely a compulsion because conducting a census is a mammoth and prohibitively expensive compulsion because conducting a census is a mammoth and prohibitively expensive

undertaking.
It certainly makes sense that if census exercises were conducted more frequently, a number of policies and their execution as well as socioeconomic and health-related studies, might be dynamically adjusted by observing the

An idea to pursue
For the past few years, this writer has personally supported "register-based" and "dynamic" censuses, which could furnish up-to-date census data whenever needed. The database would be updated continuously in real-time during a "dynamic" census. Reportedly, a few years ago, India was preparing software by which the birth date of a child will come into the back end of the database of the Census Register, and after attaining the age of 18 years, this person would be



The policy initiatives of recall guidelines, good

distribution practices and

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Atanu Biswas

Professor of Statistics at the Indian s the Indian Statistical Institute, Kolkata

There are strong reasons why India needs to register-based and 'dynamic'

registered as a voter in the voter list from the Office of the Census Registrar. The name would be removed from the voter list upon death.

Be removed from the voter list upon death.

Global trends

This could be a significant leap in the direction of a dynamic database. However, India's next Census, which will be the nation's first "digital census", may be a complete enumeration. On the other hand, a number of countries, including Austria, Bahrain, Denmark, Finland, Germany, Greenland, the Netherlands, Singapore, Sweedn and Switzerland, are currently moving towards register-based censuses, which produce useful statistics primarily from government sources using data from various administrative registers, which includes population, tax, employment, school, hospital records, and data from municipalities.

These may be complemented by some well-planned small-scale sample surveys such as those conducted in Switzerland with 5%-10% of the population. Even the United States and the United Kingdom are moving towards

United Kingdom are moving towards register-based censuses. Unsurprisingly, such a census exercise will be cost-effective too. For instance, the cost of the 2001 Census in Austria was €72 million. However when the register-based approach was implemented in 2011, the cost fell to €10 million.

The United Kingdom government declared in 2014 that statistics derived from more frequent 2014 that statistics derived from more frequent and timely administrative data will take the place of the decennial census after 2021. In place of the customary questionnaire-based approach, the U.K. will harvest the data people leave behind in their everyday lives. At the time, the Royal Statistical Society's executive director said the U.K. government had "made the right call". It is actually a "dynamic register-based census", meaning that every pertinent social, economic, and demographic activity and event in people's lives is constantly added to the census database. Further, in order to produce its official figures,

the Office for National Statistics in the U.K. has recently begun to gather more data – reliable data, of course – even from private companies. Examples of this include data collected from supermarket scanners and data on cars and trains from Auto Trader and the Rail Delivery Groups. Notably, India already has an Aadhaar-certric database, unlike the U.K. And, reportedly, a few years back, the Home Minister asked officials to devise a strategy to merge the voter card, Adahaar card, and other databases into the Census database.

Database integration

Database integration
However, combining many registers is never a simple operation. Even though it has been increasingly customary in India recently to integrate databases such as Aadhaar, PaN, woter ID, bank accounts, and mobile numbers, it is still a mammoth task to solve the Jigsaw puzzle and to build up the "dephant" by correctly assembling different types of "registers". However, I believe the nation has sufficient expertise to accomplish that. And, by using the administrative data of various available registers instead, thousands of crores of rupees can be saved.

A census serves as a valuable repository of data pertaining to various economic endeavours,

pertaining to various economic endeavours, educational attainment and literacy rates, housing and domestic facilities, urbanisation housing and domestic facilities, urbanisation, migration, mortality, fertility, religion, language, and additional socio-economic, cultural, and demographic information. It is unclear if our intended method will be able to update data on the majority of these aspects in real time. Naturally, if any data is lacking, it can be updated on a regular basis by properly conducting surveys, perhaps on a small scale.

Overall, such an exercise might usher in an era of dynamic, continuous censuses. And the greatest legacy of digital India might be that, if it can be implemented. Let the upcoming Census be India's last complete enumeration-based census.

LETTERS TO THE EDITOR

Tackling TB
It is reassuring that India
has finally acted in the TB
fight with the Health
Ministry approving a new
BPAIM Treatment regime for
multidrug-resistant TB. This
combination is in use for
the past two years or more
the world over. India is
among the top five nations
with the highest disease

burden. In the past 40 years, there have been only three new drug introductions for TB and Pretomanid is one among them. Giant pharma companies do not seem to be earmarking budgets for discovering new antibiotics or chemical antimicrobial agents because of the intractable problem of antimicrobial resistance.

Drug giants are not interested in investing money unless they are sure of long-term harvesting. This data would have made the news report more the news report more comprehensive. T.K. Prakash,

Mpox case in India There should be

transparency in reporting the first case of mpox in the country, especially the country from which the affected person travelled recently. Though there is an 'assurance' that the case is not a matter of undue concern, its severity among concern, its severity among children in countries such as Congo will be of concern among the general public.

Even allergic rashes may cause alarm. As this virus shares an antigenic relationship with the smallpox virus and a majority of the adults in India were vaccinated till India were vaccinated till 1975, it may possibly provide herd immunity by cross protection cross protection. Labs should be equipped with reagents for PCR diagnosis

for quick screening. Dr. V. Purushothamar

Manipur crisis It is shocking that the government seems nonchalant about restoring peace in Manipur. How long will the region burn? P. Sriram, Chennai

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Superfast studies of photoelectric effect reveal the secrets of matter

Researchers are breathing new life into a phenomenon we thought we had the measure of a century ago. They are paving the way for better imaging of proteins and viruses, gaining a deeper understanding of biochemical reactions, and choosing new materials for next-generation electronics

or all his work in transforming our understanding of gravity and spacetime, Albert Einstein won his sole Nobel Prize for something else: explaining the photoelectric effect.

In the early 20th century, physicists found that when a metal is irradiated with light, it emits some electron

Curiously, they found the emitted electrons' kinetic energy depended on the incoming rays' frequency, not

intensity.

In 1905, Einstein explained the effect by proposing that light is made of particles called photons. When a photon possesses more energy than some threshold, it is able to kick an electron in the metal out.

This effect is at the heart of solar

power: solar cells are specially engineered materials whose electrons can be knocked out by the photons in sunlight. The electrons are made to flow through a

The electrons are made to flow through a wire to produce an electric current.

Understanding the photoelectric effect better could help us make new, more efficient solar cells and shed more light on the physics that produces the effect.

Because it involves the material? electronic properties, its clear theoretical understanding means physicists can use it to reveal substonetic features that are to reveal subatomic features that are inaccessible to other probes.

Motivated by these opportunities and advances in electronics and optics in the post-war era, physicists took their studies to new highs in the 20th century.

A neeting light
One important tool to study the
photoelectric effect has been the
ultrashort light pulse. Just last year, three
physicists won the physics Nobel Prize fo
their contributions to developing such
pulses.

pulses.

A simple analogy illustrates their usefulness. The quality of images captured by a camera depends, among other things, on the amount of time for which a photosensitive surface is exposed to light. If the camera has to capture an image of the wings of a bird in flight, its image of the wings of a bird in flight, its exposure needs to be shorter than the time taken for a wing to move by a short distance. If the exposure is longer, the wings will look blurred.

Similarly, physicists try to produce very short pulses of light that illuminate an atom or a molecule while a sensitive camera is pointed at it.

The shorter the pulse, the more short-lived events the camera can capture. Physicists found they could study the physics of some heavy atomic nuclei

the physics of some heavy atomic nuclei using femtosecond pulses of light. One mtosecond is just 10⁴⁵ seconds. Last year's Nobel laureates developed a

way to generate attosecond pulses – each pulse is around 10 to seconds long – required to study electrons, which move

Designing molecules
In the last decade, researchers have used attosecond pulses to study the photoelectric effect at shorter and shorter timescales. One focus area has been the photoionisation delay; the time lapsed between some reference event and when an electron is knocked out. As two. an electron is knocked out. As two physicists from Germany wrote in a 2016 review in Physics

physicsis from dermany wrote in a 2010 review in Physics:

"The length of ionisation delays provides important information on the electronic structure of matter. These delays arise from the interactions of electrons with their environment, typically in the form of a potential representing the molecule's electronic structure. Measuring such delays can thus shed light on the details of the potentials in which electrons move, which can help us develop and validate theoretical models for molecules. Such advances could ultimately open the door to could ultimately open the door to controlling matter at its most fundamental level, enabling scientists to design molecules with desired electronic

behaviour." For example, in 2010, Ferenc Krausz For example, in 2010, Ferenc Krausz – one of the 2023 laureates – led a team that discovered a 20-attosecond delay between two electrons leaving two close energy levels in a neon atom, rather than leaving at the same time as expected. Researchers from the Autonomous University of Madrid reported on June 20 this year that the assumption that an this year that the assumption that an atom's nucleus is too slow-moving compared to its electrons for nuclear effects to matter is not well-founded. Instead, they found the nucleus's motion in just a few attoseconds could 'substantially increase" the photoionisation delay of electrons leaving



olar cells are materials whose electrons can be knocked out by the photons in sunlight. The electrons are made to flow through a wire to pro rrent. Understanding the photoelectric effect better could help us make new, more efficient solar cells... REUTERS

an atom in an H- molecule. In a newer study published on August 21, researchers from the SLAC National Accelerator Laboratory, California, reported an unexpectedly large delay in the photoemission of electrons from oxygen and nitrogen atoms in nitric oxide (NO) molecules.

(NO) molecules.

The team's innovation included building a device that could produce photons with the energy required to knock off core electrons, i.e., non-valenc electrons that don't participate in chemical reactions, in an attosecond-physics setup.

"Our work is the first measurement of the photoemission delay in the X-ray regime. Previous pioneering experiments."

regime. Previous pioneering experiments have measured the photoemission delay in the ultraviolet regime, but not the X-ray regime. When X-rays interact with matter the most likely outcome is the removal of a core-level electron," SLAC physicists and three of the result's coauthors, James Cryan, Agostino Marinelli, and Taran Driver, wrote in an email to *The Hindu*. "Ultraviolet light, on the other hand, only has enough photon energy to release the less weakly bound electrons."

They found core electrons in oxygen were emitted up to 700 attoseconds after their counterparts in nitrogen, rather than emerging at the same time. Their three of the result's coauthors, James

than emerging at the same time. Their paper attributed this delay to "several contributions," including a leaving electron being 'trapped' by a potential energy barrier in the molecule called a shape resonance, by colliding with another electron ejected by the atom – called the Auger-Meitner electron –, and "multi-electron scattering effects."

Mountains in the way
The results echo those of a 2016 study in
which another research group examined
photoionisation delays in water and
nitrous oxide (N;O) molecules. The



The length of ionisation delays provides important information on the electronic structure of matter. These delays arise from the interactions of electrons with their environment, typically in the form of a potential representing the molecule's electronic

researchers wrote in their paper: "In the case of N:O, our measurements ... reveal surprisingly large delays reaching up to 160 attoseconds... In contrast, delays measured at the same photon energies in H:O all lie below 50 attoseconds in

Based on complicated modelling and analysis, they were able to attribute the delay in N2O to a barrier imposed by the

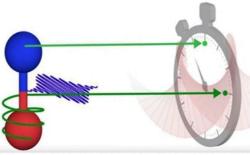
shape resonance.

The constituents of a molecule of nitrio soide or nitrous oxide exert electric and magnetic fields depending on their charges. An electron knocked out by the photoelectric effect needs to pass through these fields before it can completely exit the molecule. Sometimes, however, the electron may not have enough potential energy to overcome them and becomes trapped – like a tired hiker being surrounded by mountains. surrounded by mountains

A shape resonance occurs when the A snape resonance occurs when the electron's wavelength is comparable to the size over which the trapping potential is spread. If their energies are comparable as well, the electron is likely to be trapped for longer, resonating with the trapping potential.

potential.

The electron can escape by acquiring more energy to surmount the mountains or if the trapping potential decays by some other means. Quantum physics also



Core electrons ionised from nitrogen (blue) and oxygen (red) atoms experience different trajectories in the molecular potential, resulting in a relative photoemission delay. ARXIV:2402.12764V1

allows the electron a small but non-zero chance of tunnelling through the barrier. In every case, the result is a delay in the molecule's photoionisation.

"The photoemission delays we observe

"The photoemission delays we observe in the X-ray regime are significantly larger than [in] this previous measurement," the trio said of the 2016 paper.
"This is a result of a few effects." One is that they used nitric oxide whereas the older experiment used nitrous oxide, "and the photoemission delay is very sensitive to molecular structure." Another is because "the electrons involved in X-ray photoionisation are particularly highly correlated, and we have found that overall this results in larger photoemission delays."

A third reason is the Auger-Meitner effect. When a core-level electron is removed from an atom, a higher energy electron may drop down and fill this vacancy. Its excess energy is transferred to a valence electron that exits the atom to a valence electron that exits the ato as the Auger-Meitner electron. When these electrons "caught up with the electrons whose delay we were measuring, they dragged the electron back a little and increased the photoemission delay some more."

"Could not have imagined" According to Cryan, Marinelli, and Driver, their new work "furthers our fundamental understanding of X-ray-matter interactions, which are particularly interesting for a few reasons.

One notable reason is that the core

One notable reason is that the core electrons released by X-ray photoionisation have strong interactions with the other electrons in the molecule." These interactions "are relevant in many applications, including the imaging of proteins and viruses that takes place right here at SLAC, and around the world at synchrotrons and X-ray free-electron lasers," they added. "In making these measurements, we

"In making these measurements, we are also developing new experimental methods to probe electron correlation in real-world systems. Electron correlation is critical for defining and tuning the

critical for defining and tuning the fundamental properties of matter, and a better understanding of this ubiquitous phenomenon will ultimately help us gain a deeper understanding of important biochemical reactions and choose new materials for next-generation electronics. As the trio put it: "So much of the research we perform is basic, 'blue sky' science, powered by the conviction — which is backed up by ample historical evidence — that studying the fundamental behaviour of the universe reliably produces practical applications, which we produces practical applications, which we could not have imagined before beginning the research."

the research."
(The author thanks Adhip Agarwala, assistant professor of physics at IIT Kanpur, for his feedback.)

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A GSLV-F14 carrying a INSAT-3DS satellite lifts off from the Satish Dhawan Space Centre (SDSC-SHAR) in Sriharikota, February 17. PTI

Why do rockets require helium?

Two NASA astronauts aboard Boeing's Starliner will stay on the International Space Station for months because of a faulty propulsion system whose probler included helium leaks. Back on Earth, SpaceX's Polaris Dawn mission has been delayed because of helium issues on

ground equipment.

Boeing's Starliner spacecraft landed uncrewed in a New Mexico desert late on

uncrewed in a New Mexico desert late or Friday. Past missions that have been affected by pesky helium leaks include ISRO's Chandrayaan 2 and ESA's Ariane 5. Helium is inert – it doesn't react with other substances or combust – and it's the second lightest element after

Rockets need to achieve specific speeds and altitudes to reach and maintain orbit. A heavier rocket requires more energy, increasing fuel consumption while also needing more powerful engines, which are more expensive to develop, test, and

maintain. Helium also has a very low boiling point (268.9 °C), allowing it to remain a gas even in super-cold environments, an important feature because many rocket fuels are stored around that temperature. The gas is also non-toxic, but if breathed, it will displace the oxygen humans need for respiration.

humans need for respiration.

Helium is used to pressurise fuel tanks, ensuring fuel flows to the rocket's engines without interruption, and for cooling

As fuel and oxidiser are burned in the

Helium has a very low boiling point (-268.9 °C), allowing it to remain a gas even in super-cold environments, an important feature because rocket fuels are stored around that temperature

rocket's engines, helium fills the resulting empty space in the tanks, maintaining the overall pressure inside.

Because it is non-reactive, it can safely mingle with the tanks' residual contents

mingle with the tanks' residual contents. Helium's low density means its atoms can escape through small gaps or seals in storage tanks and fuel systems. But because there is very little helium in the Earth's atmosphere, leaks can be easily detected, making the gas important for spotting potential faults in a rocket or spacecraft. In May, hours before Boeing's Starliner spacecraft made an initial attempt to launch its first astronaut crew, tiny

launch its first astronaut crew, tiny sensors inside the spacecraft detected a sensors thistoe the spacecraft detected a small helium leak on one of Starliner's thrusters that NASA spent several days analysing before deeming it low-risk. Additional leaks were detected in space after Starliner launched in June,

contributing to NASA's decision to bring Starliner back to the earth without its

crew. The frequency of helium leaks across space-related systems, some engineers say, have highlighted an industry-wide need to improve valve design and fitting. Some rocket launches have experimented with argon and nitrogen, which are also inert and can sometimes be cheaner. Helium, however, is much

be cheaper. Helium, however, is much more prevalent in the industry.

Europe's new Ariane 6 rocket switched helium for a novel pressurisation system that converts a small portion of its liquid oxygen and hydrogen propellants to gas, which then pressurises those fluids for

the engine.

But that system failed in space during the final phase of the rocket's otherwise successful debut launch in July.

For feedback and suggestions for 'Science', please write to science@thehindu.co.in with the subject 'Daily page

