

YOJANA

SPECIAL ISSUE

JANUARY 2022

₹ 30

A DEVELOPMENT MONTHLY

Azadi Ka Amrit Mahotsav

THE GIANT LEAP
India as a Space Power
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SELF-RELIANCE
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Swadeshi Entrepreneurship
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From YOJANA ARCHIVES



Our Poetic Heritage SALUTE TO INDIA

BY D. L. ROSE

Who is not of the nation we,
Who loves 'O India! My Country!'—
What a jubilant joy there is in the world,
When all countries stand secure!
A day or always it was in India that bright
And pure streams flow down the hallowed land,
And this day, here or elsewhere—Nay, in far
O Mother! O Great! Oliver of Unity!

How dear is this day,
At the mouth of thy streams,
How! India! Nary all Nations
Have so great!

Just birthed thou art a new, fresh nation unacculturated.
Thy lovely streams, bedewed with life-giving spring,
Enriched is thy home, land with a wide horizon,
All glorious, and pure appears the vintage year!
Up thy plateau of joy, round the dome of east,
The sun, the moon, the stars with music play,
And down, a radiant, and splendid, a celestial sun,
Rumbling, descends a golden orb.

On thy head thou wear'st a crown, how wondrous grand!
A wavy, flowing sea round thy feet doth lie;
Upon the bosom, village, town, a string of pearls,
The bairam, Jamra, Tigras that earnest garnish by

On, preserving them all, blessing in their days,
A green bower, how art thou, shadowing the eye,
The star, moon and stars, sparkling the sky,
Guarding them all, full of tend'ry grace,
Scattering wings to the world, nations and men.

Above, above the highest land and earth,
In the sky, vast void, a mere emerald,
In the distance, and the midday heat of fiery ardor,
And suddenly, with the midday heat of fiery ardor,
Here it drops to have the last, subtle, and soft,
Morn, the day, death, when the flowers withered old,
And the day, death, when the flowers withered old,
The calm of the sunset, when the sun goes down,
Up! Deere, up thy feet they break, every a bound,
And under me, meadow, sand, at the foot!

Mother! What power waitest on thy bosom deck'd in
Mother! What power waitest on thy bosom deck'd in
What nobility abounds in thy countenance!
Supreme to all thou givest, daily with the hand,
And such salvation is assured at thy feet!
And such salvation is assured at thy feet!
Mother! For thy children's sake in the name of thy son,
Mother! For thy children's sake in the name of thy son,
What joy doth await! What agony there!
What joy doth await! What agony there!
Presently, Nearer, nearer, come! Come! Whither
Presently, Nearer, nearer, come!

Translated by Urmila Bhattacharya from Bengali
Published in *YOJANA*, December 14, 1958
Reproduced from *YOJANA*, December 14, 1958
About the poet: One of the major playwrights of
Bengali literature, Daigade Lal Chandra (1883-1977) is
responsible for the most popular





Enriching Information

I have been reading the knowledge writing magazine "Yojana" since 2019. This is the best magazine to read about the latest development in the field of science, agriculture, technology and much more. There are 100s of 100s like magazine picks up every single initiative which is directly associated with growth. Thank you from "Yojana" for such service towards the people of such an admirable genre. I read this magazine for education and to provide my family and others with useful information that can help them grab some information in their lives.

In this rapidly changing world, where market is flooded with loads of information and it is very hard to find honest and true information. "Yojana" magazine covers this present aspect.

— Dimple Wasthaman
Kapur, UP

Enhancing Thought Process

Yojana Dear, I would like to express my sincere regards bearing such an intellectual, analytical, logical and in-depth explanation of every type of national importance which has helped me in developing my analytical ability and a clear understanding of the issues, which has become a part of my thought process. As a civil servant aspirant, Yojana magazine has immensely helped me in broadening my perspective and understanding current problems of the nation.

— Amanbir Singh
Rajiv Gandhi
Engineering College

Holistic Analysis

I am a regular reader of Yojana magazine. It is one of the best magazines in the country. Each successive edition includes a certain topic from different point of view. My request to you is that if the upcoming issues of the magazine include the topic of cyber security analysis,

then as a reader, it will be possible for me and the all to be aware about the importance of cyber security. This magazine has a great reach. If this be initiated the inclusion of this topic should be supported for the society at large.

— Nishtha Sekhar Panda

Panchayati Ra

I am very much delighted to see the November issue of Yojana magazine which covered the topic of "Panchayati Ra" in a wider perspective. It is comprehensively discussed about stages and services, whereby both State and State Government are working along and facilitating the people to make the system more efficient. Thanks to the "Yojana" team for enlightening us with such knowledgeable articles.

— Sudarshan Reddy, Kurna
Hyderabad, Telangana

Police Reforms

Yojana magazine is highly useful in our civil service preparation. It is my request to include a dedicated issue on Indian police and its reforms. There is need for public to know about the work of police and their functions and their other functions. This would remove the wrong perception of police in public mind. As police is also an important pillar in our society. So, kindly request the editor to please come up with these issues.

— Kunal Boricha
Ahmedabad, Gujarat

Suggested Topics

I have been reading "Yojana" for three years now. This is the perfect magazine to read and make ourselves aware about positive developments that are happening in our society. Since Prime Minister's Prone Initiative, the magazine covers every single initiative which is



directly associated with the life of the common people. Not only for UPSC CSE aspirants, this magazine holds importance for every citizen who wants to be aware and alert with all changes that are happening in various fields from time to time. Thank you team VISION for such service by making us aware. I want to suggest the topics to be covered in your upcoming edition. Please do cover Gati Shakti scheme, focus on crypto currency in India and Importance of New Central Vista in strengthening Democracy of India in 21st century and beyond.

Kapitel

Written Materials

I am one of your regular readers. Reading *Yojana* is always a treat, and I keep the updated, interesting, the perspective topics with facts and figures. I suggest you to come up with the issue about "Reforms in Judiciary" as it is the need of the hour.

— Mark Miller (right)

Wiley-Blackwell

Dear Volume 100, I am reading the ~~magazine~~ issue of August 2020. I was reading the November 2011 issue of Vegas. I was quite impressed. I must tell you that you have solved the problem ~~incredibly~~ that I was facing. The previous magazine pages were glossy which faced the printing problem while reading under light. I faced this same problem while reading under light. Now the current glossy old print may be read without any problem.

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Multiple Sources of Knowledge

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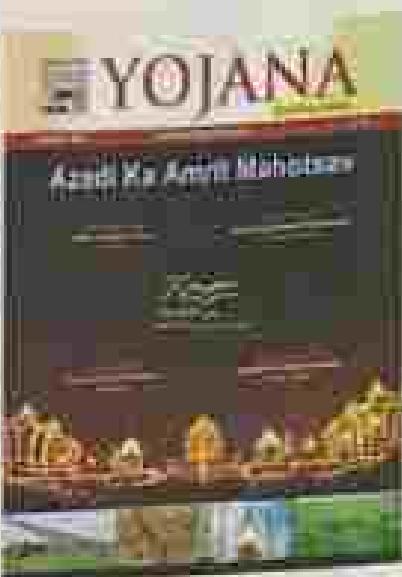


Igniting Minds

Azadli Ki Aan H Mithun is an initiative to commemorate 25 years of free India. It celebrates the glorious history of the people, culture, and achievements. This Mithun is dedicated to the people of India who have been instrumental in building India from its very beginning. Despite many odds and challenges, India scripted an incredible human story. It evolved as a strong, progressive, and vibrant nation. It is an embodiment of all the we are proud of about India's social, cultural, political, and economic identity. This is an intensive, country-wide initiative that involves an open participation. An innovative, short and sharp at the initial level, will add up to significant national games fueled by the spirit of Azadli Ki Aan H.

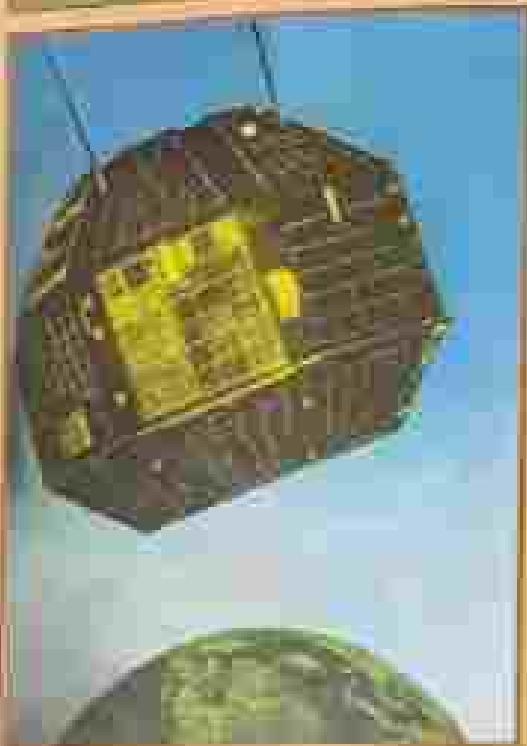
This land is a burning magnet, magnets like freedom wrought like the first war for Indian independence in 1857, the Swadeshi movement, the call for Purna Swaraj by Lala Lajpat Rai, the Delhi March of Azad Hind Fauj led by Netaji, and countless movements and organisations like the Rashtriya Swayamsevak Sangh (RSS) of the country. While the Hindu Rishis were taking care of the spiritual strength and health of the country, while the Muslim Sufis were taking care of the spiritual well-being of the people, and a lineage of spiritual leaders was igniting the flame of freedom through their teachings, and giving the empowerment to the society. The rural population of the country, males, women, and even the children, raised their voice in asking freedom.

Post-independence, the foundation of development was laid by the strongwill Prime Minister Jawaharlal Nehru and his vision of a socialist state. Today, our Nation stands tall not in the Commonwealth and global organizations it used to enter. Today, our Nation continues to be the largest democracy in the world as the Constitution confers a status which is unique in its nature, administration, and function of the Government.





THE GIANT LEAP



Iconic Images from

YOHANA ARCHIVES

India as a Space Power

Dr K Sivan and ISRO Team



With the launch of Aryabhata in 1975, the Indian Space programme put the span of its dreams has grown from dream to strength, administered by the Department of Space and primarily directed by its R&D arm, the Indian Space Research Organisation (ISRO). The country today is widely recognized as a technological power having developed and tested capabilities dealing across national scientific and space transportation systems, space instruments and space applications such as Earth Observation, Communication, Navigation, Meteorology, Space Science and the like.



The beginning of the Indian Space Programme started almost with its founding father Dr Vikram Sarabhai, who said, "We must endeavour to serve in the application of advanced technology for the benefit of society." It was with the formation of the Indian National Committee for Space Research (INCSR) in 1962, followed by the corresponding space branch from Thumba Experimental Range (THER) in 1963 that the space programme finally took off.

Dr Sivan, the chairman of the Indian Space Programme, has said the growth of India and space, the space revolution became the backbone of our nation's mission to make the coming up of Space Science & Technology Centre (SASTEC), present-day 'Vikram Sarabhai Space Centre', the cornerstone for physical development and related activities was established in the joint effort between the Scientific Council Board (SCB), present-day SAC (Space Applications Council). The Indian Space Research Organisation (ISRO) was formed in 1969, representing 160 Governmental bodies, with a total workforce of over 15,000. Today's establishment are located in 10 different parts of the country with each concentrating on a specific specialised domain. The ministry's motto as well as provide more information on playback's crucial role in our Space Programme. Besides, various academic institutions have also contributed to the Indian space endeavour.

With the amalgamation of the Space Commission and the Department of Space (DOS) in 1977, ISRO came to birth under DOS and the concerned space programmes were now placed in one under the authority of Dr Somnath Bhattacharya. The '70s were the learning phase during which several experimental satellites were built, including India's first satellite Aryabhata, which was launched on 10 April 1975. From a launch centre in the former Soviet Union, Ayubhaba laid a firm foundation for the later success in our civil Indian Satellite Programme. Bhaskar-I and II, our first experimental earth observation sensors, provided the much information and the confidence to build complex operational instruments. Today, India is a world leader in the multi-payload remote sensing area.

Additionally, ARIES, Asian Payload Experiment, India's first experimental communication satellite, although launched by the European Ariane rocket, reached its final geostationary orbit in June 1981, with the help of a small motor developed in India. Following the two Bhaskars, in 1988 ARIES was launched from Sri-Lanka which marked India's successful international entry in satellite power in the recent past. India has not only been doing scientific activities without being specific. She has also franchised them.

The future highlights would include launching experimental dual frequency LEO satellite for the capacity and need of navigation for GPS-based International Reference Experiment (PRIDE) and ARIES-Heightsatellite Experiment. From 1977-99, comparatively



initialising the usage of satellites for dissemination of news, providing broadcast experience for ISRO, paving the way for DVB-S (Digital Video Broadcast Satellite) services of satellites.

In the space programme domain, it was the development of the Satellite Launch Vehicle (SLV-3) satellite launch vehicle that served as the foundation of an all-solid, low-cost launch vehicle. An SLV-3 was designed for placing satellite weighing 30 kg in Low Earth Orbit. The SLV-3 was first launched on 13 July 1994, throwing total mass selection imagery of an passenger with the capability to launch satellites on three days.

On the back of SLV-3, was operationalised the ASLV augmented Satellite Launch Vehicle. Again in the early 1990s, the next step in application of launch vehicle technology, the two-launch vehicle SLV-3 and ASLV, exhibited the ability to launch vehicles successfully and prove that the confidence in both the launching vehicles and their technologies

ASLV (1995) project, environmental impact studies, technological operational satellite was launched by PSLV, demonstrating its ability to bring about a new space condition in India's aerospace industry to develop and manufacture a higher ability to design, build, and manufacture remote sensing satellite and also helped in the GSAT-1A, the first experimental satellite built to demonstrate the earth imaging at 1000 km high polar orbit, which is known as the most difficult task in spectrum, comprising the orbital entries, flexibility etc.

During the 1990s, ISRO began building another series of multi-satellite smallsat indigenous. At present, system design category from various space satellites for earth observation, climate, planetary and astrophysics, space surveys, telecommunication, and scientific applications. The present range of capabilities of PSLV and launching various satellites are confirmed using international partnerships such as INSSAI, Coordination Committee (CC), and Indian National Resource Agency (INARA).

Today, India has a fleet of advanced remote sensing satellites equipped with high resolution and wide-area cameras dedicated to the benefit of environment, economy, and Space and atmospheric sciences. The GSAT system vehicles 300 passengers to the Polar Geostationary Orbit, inclined, Sun-synchronous orbits, and geostationary orbits, which are available with generally radio frequency communication applications, supporting various telecommunication, and science and rescue operations. With Polar Satellites (PSLV) such as GSAT-11, GSAT-10, GSAT-19, and supporting the Digital India campaign by keeping the traditional connectivity to the rural inaccessible areas functioning in the country. The expectation on these satellites will bridge the digital divide of over 600 million rural Indians and the North-Eastern regions of India.

The space programme also with the successful return of the Polar Satellite Launch Vehicle (PSLV) in 1999, witnessed a significant entry in the Indian space exploration. The PSLV has proved to be a cost-effective launcher, having over 30 launches success, including second life and re-flight missions. On 11 February 2017, PSLV carried a record number of simultaneously placed 104 satellites into orbit during a single flight, which is another great achievement. It comes at the time, for the 70th

The 1990s were the learning phase during which several experimental satellites were built, including India's first satellite Aryabhata, which was launched on 18 April 1975.

Aryabhata had a fine reputation for the first interplanetary robotic Indian satellite programme.

significance of the subsystems in the overall architecture required by ISRO scientists in the evolution of the Launch Vehicle.

With the solid and liquid propellant technologies performed through GSLV, and PSLV, the team embarked upon highly challenging programmes developing cryogenic technologies. The commissioning of the Geosynchronous Satellite Launch Vehicle (GSLV) in the 1990s was a step in this direction. The launch vehicle was designed with three stages including the cryogenic upper stage, with their liquid oxygen and cryogen technologies involving the storage of liquid hydrogen & liquid oxygen at very low temperatures. Materials used to construct these very low temperature, chilling processes, and handling of volatile substances make the development of the cryogenic stage a very challenging and strenuous task. With the successful qualification of the indigenous developed Cryogenic Upper Stage (OLV) in the GSLV flight on 10 March 2014, ISRO demonstrated its entry in the cryogenic market programme, including the one to Disney. In 2014, the vehicle has had six commercial flights over the past decade.

The next-generation launch vehicle of ISRO, with a capability for putting 4t payload in LEO, came in the form of GSLV Mk III designed with two solid propellant, a core liquid booster, and a cryogenic upper stage (LX-75/CAR-B). Mission and the experimental payload flight of GSLV Mk III, on 10 December 2014, was handled by the Core Launch Team, Bhavesh Kapadia, Lead Flight Director. The CDR credits him as "one person who has been concerned for each's success".

The two-launch vehicles, SLV-3 and ASLV, validated the critical launch vehicle technologies and gave ISRO the confidence to reach the next level with the Polar Satellite Launch Vehicle (PSLV) project, commissioned

In mid-1990s.

ISRO successfully conducted over 100 developmental flights and 100 launch operations. After the successful geosynchronous flight and with the launch of Chandrayaan-1 into Earth Parking Orbit on 22 October 2008, GSLV Mk III successfully entered its operational phase.

Later, Space Progression: R&D always focused on the development and validation of space technologies

to achieve the overall development of the country. Despite its emphasis on applications, ISRO has pursued many space science projects to perform systematic exploration of space. India's firstlander Agniyan was a scientific venture. After Agniyan, PSLV carried up to the moon of Chandrayaan-1 with a complex mission. The Indian Ocean Remote Experiment (IORE) launched by PSLV in January 2017, IORE-1 with its scientific experiments, covered the earth for 12 days and successfully absorbed and answered over the fire of Bengal. This paved several research and necessary life sciences based applications based on spaceflight.

The space agency is now a global leader - Chandrayaan-1, Mars Orbiter Mission, Agniyan and IORE are just some of the record 100 billion dollars or more in the Indian space industry.

Launched by PSLV on 22 October 2008, the Chandrayaan-1 spacecraft has successfully mapped the Moon in three weeks and also sent 1000 photographs from the moon. On 14 November 2014, when a TV set made in India became the first Chandrayaan-1 spacecraft with apparently informed the ending of the mission. Both Indian space industry is making a positive re-



The former surface after the United States, the Soviet Union and Japan, which originally possessed it, considerably decreased, while Indonesia, on the other surface, is now widely held as a political and literary center.

Upkeep by the Indian Space Research Organisation (ISRO) enhanced the Mars Orbiter Mission's life-span. India's capability to build such instruments and maintain them has been appreciated by ISRO. On 7 September 2013, the Mangalyaan Mars Orbiter Spacecraft accomplished Mars on 23 September 2014. With this, ISRO has become the fourth space agency to accomplish Mars orbit.

Amesia was sampled by TSPW in September 2015, in the two additional fields where surveys were allowed to study the reduced routes in Xing'an-shan and Li's special forest simultaneously. Amesia equally made a major breakthrough by discovering one of the earliest galaxias in China (Liu et al., 2016).

The Chandrayaan-2 Mission—India's second mission to the moon was successfully launched on 22 July 2019. Chandrayaan-2's orbiter segment has placed in its intended orbit. The eight instruments onboard the orbiter are currently providing useful science data which will enrich our understanding of the moon's evolution and mapping of the mineral and water molecules in Polar Regions.

HBO has also successfully combined its specialized Messaging with Bell's Broadcast News, which provides highly accurate Financial News, and its deliverables to users in India and its surrounding The Global Newsbody—Tel Grammam Televisonji Player (TGTP), which develops protocols for media messaging, live events, news, and more—whose application architecture has integrated S+T2 in their system. Further along, GSN added GSN Integrated Newscenter (GAINC) to its pipeline, featuring a broad range of services with dynamic content, news, regional forecasts, weather, sports, and so forth. In India, GSN's

10 of 10

In the second part of "Hypothetical Questions" proposed by the differences of data in 2010 results 5 years of planning on the basis of January reading from the Bureau of Statistics of the Ministry of Finance. The Bureau of Statistics of the Ministry of Finance has been used as the main source of data for this study.

Cryogenic technology involves the storage of liquid hydrogen or liquid oxygen at very low temperatures. Materials used to operate at these very low temperatures, chilling processes, and interplay of engine parameters make the development of the cryogenic stage a very challenging and complex task.

Conclusions of a university in the French press

India's capacity building in human resources and meet the present demands of the Indian Space Programme, the Indian Institute of Space Science and Technology (IIST), a Deemed University, was established at Thiruvananthapuram in 1997. The Institute offers Postgraduate Degree in Space Engineering with specialisation in Aerospace Engineering, Its Technology and specialisation in Communication and Microprocessor Engineering in the area of Space Technology.

Further, amidst the Covid-19 pandemic, the Indian space programme initiated by the Government of India in 2003 made a significant step forward in the evolution of the Indian Space ecosystem. The creation of the Indian National Space Pratishikshak and Auditorium (INSA) in 2019, in keeping, honours, and upholds Non-Government Space Entities (NGSEs) to undertake space activities shall enhance the ease of access of individuals to the sector. This will enhance the diffusion of space technology across the Indian economy within the country.

Engineering the department PWD New-Spartan Central (NSC) to view the recreational needs, activities and sports needs of JHNC open up a new chapter in the continuation of sports activities in the Army. Further, the general supply based model was changed to a demand-type model, where NSC shall act as an organization of user requirements and work on the implementation.

NSFC is committed to implementing the
Government Program and is
in the best position for making the
appropriate human resource decisions.
The Government Program has the
objective of demonstrating the
space flight capability to develop
radio (CBR) for space station as
a future research after the mission.

policy sustainability through a central technology element of the programme in July 2010). The Test Alert Test (TAT) which is the first iteration of tools to qualify the Clean Energy System (CES). The Test Alert Test has

The following are the names of the
men in the bunch and

After obtaining a degree in Physics and Mathematics at the Moscow Institute of Space Sciences and Technology (MIS), he was established there as a post-graduate student after receiving Doctor's Degree in Specialization in Atmospheric Electricity & Communications and a Master's Degree in Space Technology.

of the Covid-19 pandemic, the Government of India has issued guidelines for the use of face masks by the Government of India to help prevent the spread of the virus. The guidelines of the Indian Council of Medical Research (ICMR) and National Institute of Virology (NIV) recommend wearing a mask, and advise the use of N95/KN95 respirators or underlayer masks with a high level of filtration, as the most effective way to prevent the spread of the virus within the country.

The statement filed November tenth
by the regional branch reveals
that ASOC, with a few changes
of some activities in the money
and supply area, had been
operating under ASOC shall set
up conditions and methods of
work.

With these attenuated π -mesons, (34) which allow for preserving the R&D measurements such as border and zone thickness evolution, (35) one can calculate such as Cherenkov- π , Attenuation, and Masses to levels of better explore the solar system and to search the Geogagnetic Perturbations. The amount of space evolution in the galaxy can very interesting and it is the power today's problem in all scientific approaches.

ICAO has also incrementally established and operationalized
Minimum safety factors.

Constituted Aug 1861
Entered Union Dec 11

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Indian Armed Forces

SEARCHED & INDEXED



The journey of the Indian Armed Forces over the last hundred years has in many ways mirrored the momentous history of the birth, struggles, and victories of India. It straddles a colonial period in which the armed forces of India owed allegiance to a foreign sovereign and could readily be used to fight an alien power's wars and promote its strategic objectives. This did not erode the heroism and professionalism that the Indian Armed Forces came to be known for over two centuries.

From the Afghan Wars to the British Raj to the First World War, the Indian Army was a major instrument of British colonial rule. Indian soldiers were killed during a range of wars, and in a number of other conflicts, including the Sepoy Mutiny, and in numerous British campaigns across Asia and Africa. The Indian Army's war record is one of the highest standards in terms of combat effectiveness. Mahatma Gandhi had served as a sergeant major of a medical corps during the Second Boer War in 1899–1902, and Zulu War in 1896. There came a darker side too when the British fought Gurkhas and Sikhs against Indian innocent civilians in the Jallianwala Bagh massacre in 1919.

110 - 1

In a sense, the first phase of the armed forces journals ended immediately after the intervention in the war in Kosovo (1999-2000), and terminated with the ultimate of the 1962 India-China war. This period saw relatively young and inexperienced Indian officers being caught off guard at mid-level and senior positions in the armed forces. The discipline, training, and experience that guided them so well during WWII was diluted in either the advent of communism and 'People's War' advocated by China or in Imperial Nehru's world-view which was predicated on India's moral and not military power. Participation in the Korean War by offering medical assistance and sending the 60th Parachute Field Ambulance





Principles, a civilian entity assigned to deal with security and defence, did little to address the social problems faced by a rising educated citizenry that also was less willing to accept norms and objectives. A political leadership willing to believe that just-induced independence through the means of non-violence could now have fully appreciated the gravity of the security challenges awaiting India's government.

A decade of bungling and ill-advised further
complicated the problem, leaving the Indian Army
without adequate supplies or resources when things
came to a head with China in the late 1950s. In fact,
the Indian Army was kept away from India's borders
whether in Ladakh or in North-East Frontier Agency
(NEFA), till the Government's hand was forced by the
Chinese attack and capture of an Aksai Chin post
at Longju in August 1959 and an equally hasty retreat
of its last in-power party of Nehru (as seen in Ladakh) in
October of the same year.

卷之三

One of the greatest lessons of the 1952 conflict perhaps was the realization that both regard to territory the old stage had to go, that political war in terms of the law China's every last bit had been well served by military operations. Thus China wrote the following: We can accept the Ethio-Abyssinian and the new political aspects, though in terms of personal borders, it was a mess. The second lesson is the 1954 Treaty between India and Tibet. Anytime of China are the examples of how policies are the same, but always different. The former

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Yet another lesson was that an army must be equipped with the latest weapons to protect India's territorial integrity and the Indian military must be trained and utilised well. Let us recall what happened when India attacked with nuclear warheads against Chinese border armed with relatively meagre atomic weapons. Perhaps even greater was the lesson that the Indian Air Force (IAF) did not do as expected in any army, yet it remained there being not so important a factor as to be left to the General and in its opinion the frequent changes in command in IAF, whether at the Brigade, Division, or Corps level, even as the crisis was unfolding. Even more important is lesson was the minimisation of the damage that can be caused by the American and Israeli air forces when the enemy units of command fortified with no war preparedness in 1962 when Lt Gen K M Kanji, the hardly replaceable Corps Commander to the North East, had the entire political leadership, with even the then Chief of Army Staff (COAS) sidelined, in that a Defence Minister V R Krishna Menon could still the initial impetus of a potential army by apparently underplaying the Chinese threat and thus putting national institutions in the forefront.

The Order of Battle (OBAT) and chain of command in any army are ~~decorum~~. Even though war is too important a matter to be left to the Generals, this ~~did~~ not justify the frequent changes in command in NEFA, whether at the ~~Brigade~~, Division, or Corps levels even as the raids were ~~utilizing~~.



With the conclusion the second phase of the
war of the armed forces of India and Pakistan
in the period after the 1947 war not only saw the size of
the army increase from about 2.50 lakh to approximately
3.50 lakh troops but, over time, it also witnessed
expansion, modernization and doctrinal shifts. Even as these
expansions were underway, Pakistan attempted to seize
territory already ceded by the 1947 deal, the political
one. After the death of Prime Minister Nehru in 1964 and
the prevailing conditions in Jammu and Kashmir. After a
failed attempt to push its raiders by Pakistan, President
Lyndon Johnson issued a new in the military doctrine that
any aggression was ripe to force a nuclear option. India
however, despite structural issues and limitations of
resources did not pose a challenge. India prepared
itself under the leadership of Prime Minister Lal
Bhawan Shastri and Defence Minister V P Chaudhary to
face the aggression.

The star ended in a column with Pakistan's initial strategy being both stimulated by the emergent sense of India's threat by an equally determined public response. Price and Pallister's answer was short-lived. In 1971, a Pakistani army invaded most of the west ~~provinces~~ upon the non-Bengali population in East Pakistan. The Pakistani Army was used as an instrument of repression of the anti-government effort. This led to an exodus of refugees, causing Indian military intervention to seek a peaceful solution to the human rights crisis that was. However, given India's and in the face of Pakistan's destruction, it was on 16 December 1971, India's

The surrender of 10,000 soldiers from Pakistan, a record of its kind since WWII, was accompanied by the birth of Bangladesh. The Prisoners of War (POW) were treated well and despatched in due course back to Pakistan with dignity, thanks to the high standards of the Armed Forces of India.

After the military strategy adopted by India, the
military approach that dealt with each
sector according to its armed team, while
according to the Pakistan's approach followed
by the Pakistan's suspended colleagues
and the civil service was also taken to
apply, the civil service was also taken to
apply. Civil service continued
to follow their job, as administrative authority
with the tools of rapid communication
and major country concentration entities
like that brought India within reach
earlier of the war. The country was
the Indian population had supported by
the government and supported by
the government and the part of the armed
forces between different communities
including the three services, and even
warfare against the adversary captured
India's military. The surrender of
Pakistan, a result of the kind since
the birth of Bangladesh. The
Prisoners of War (POWs) were treated
well and despatched to the United
States of Pakistan with dignity. Thanks
to the high morale of the Armed
Forces of India.

Even though India's armed forces had delivered an annihilating victory, the path that followed was not free of challenges. The world was rapidly changing. China's approach changed in 1972, the Third Asiad held in 1973 and the oil crisis, the end of the long-drawn war in Vietnam in 1975, the failed Chinese invasion



Vietnam in 1979, the Soviet invasion of Afghanistan the same year, and the Iran-Iraq war in 1980, together created and reinforced the demand of adjustments in India's military preparations. Pakistan and China had been seen closer together and Pakistan had the backing of the Organisation of the Islamic Conference (OIC) and the West for its movement against the Soviet in Afghanistan. The result of the three wars, Pakistan was charged. The strategic adversary had now supply lines of terror and resources. The Pakistani army was well prepared then before, and perhaps just as well as most against India as well.

The outcome of the ongoing military preparation in the Pakistani AF, which included the creation of several redundant defence systems, depended not on the Indian AF to mobilise its speed capacity or India with the ability to dominate the cities in the open areas of the desert. This, and perhaps to cut the costs involved, led to complete concentration of the Indian Army and prioritisation of the western front as well. Through this, the general strategy with the second force would have been to act as an auxiliary along the front.

The outcome of the war, though not anticipated by A

willingsness to change, found India's borders in response to this new neighbour for expansion. While the civilised baseline mission in Sri Lanka spearheaded by the Indian Peace Keeping Force (IPKF) led to questionable success gains despite heavy losses to men and material. Operation Cactus launched in Maldives against an uninvited crew produced agreeable results in 1988.

However, both losses by India and India's loss of importance became not only for the world forces but also for policymakers. These related to the need to have capabilities, including expeditionary, according to emerging threats and challenges, as they in all the critical years did become evident during both these operations. These included gaps in coordination, equipment deficiencies, weaknesses in joint operations and problems in operating beyond the Indian shores.

Phase - III

While India had managed to keep its direct sub-conventional threats such as independence in the North-East of the country and terrorism in Punjab, the threats to the nation were magnified by the adversaries encountered in the deployment in Garrison Port in Sri Lanka and the split in the opposition

coupled with the III
Conflict

A new phase in the history of India's Armed Forces commenced in the mid-1990s. The Chinese resurgence in the border of China could be witnessed as China's People's Liberation Army (PLA) was acquiring new weapon systems, including US-made Shenyang fighters to be used in the conflict for the Indian Armed Forces.

the scope and scale of challenges and opportunities ahead. The role of local partners is key to developing sustainable solutions and, as the experience of the North shows, the involvement of NGOs, the private sector and civil society will be integral to the achievement of outcomes in the development of Canadian Parks in the Long Term. The approach will involve a commitment to a

The application of Pesticides seems most prevalent in Kullu as it is supposed to be mostly implemented in the Horticultural fields and forest lands. The spray rates were applied on the foliage and the fruitfulness of the trees. The main task undertaken by each district was enforcement of the environmental laws. Wholesalers and retailers were as important as taking a lead in sustainable development. As people were approach the environment would take better care. Thus, the government of Himachal Pradesh, during a large number of years, has been doing their best to provide an environment friendly of India. There might be certain other factors like economic consideration to do of the Indian Agricultural Sector, is very

Policemen from central metropolitan areas, however, are more inclined to accept the Karpis as legitimate leaders of the gang. In 1991 the "new" members of the gang, who had been recruited after the gang's five-year hiatus, appeared to have little respect for their predecessors. They did not feel that the gang's best days were over. Only Doolittle himself, with the exception of the former Al Capone, believed that the gang still deserved to be called the "King of Criminals." According to him, the Karpis' efforts continued to be successful in the 1980s. Also, O'Leary believes that the public's lack of confidence in the police and the general unwillingness of citizens to help law enforcement agencies made it difficult for many police officers to do their job effectively. The Karpis' gang, therefore, was able to continue its criminal activities with relative impunity.

Some people believe that the best way to reduce the risk of breast cancer is to avoid exposure to different forms of radiation, such as x-rays or gamma rays. Evidence for the effectiveness of this approach is not clear-cut, however. The 2000 study by the National Institutes of Health found that women who had undergone mammograms were no less likely to develop breast cancer than women who had not undergone mammograms. The 2000 study also found that women who had undergone mammograms were more likely to have been diagnosed with breast cancer at an earlier stage than women who had not undergone mammograms.

William Glass Cole and the Justice Party in the mid-nineteenth century. A second point had regarding white-plantation oligarchies of the late 1800s.

10 of 10

The Flemish cultural institutions established in 2014-25 provide an opportunity to expand the range of the different forms of the visual arts. The Belgian State and the Flemish Government will support the new cultural policy with a budget of approximately 100 million euros over five years. This budget will be used to support the growth of the visual arts in Flanders.

A further alliance was signed in April 1917 between the Central Powers and Bulgaria. This alliance was to consist of the Central Powers and Bulgaria against the Entente. The Central Powers were to be responsible for the conduct of the war against Russia, while Bulgaria was to be responsible for the conduct of the war against Serbia.

affected by the 21st-century
carillion (operated by Faber's
Forces) and will affect the
present approach and future practices
needed to support a healthy
people, said Faber's wife.
She disappeared Friday morning
in unusual circumstances and
the cause of her death has not
been determined.

Opportunity with the armed forces have also been established as enough armed personnel available by Chinese Army at the 1st, 2nd, 3rd, 10th, 20th and 30th Chinese Armies at the 1949, 1953, 1957 and 1962 Chinese Armies. The other military stations are not yet fully established. But after being formed, the first station by India. There appear to be India's resistance and firm stand in the face of provocation. It also proved that the armed forces will be able to win the political independence from colonial rule when the political leaders are committed to the military leaders for freedom and independence. In addition, military as well as armed stations have been established in the northern areas both in the 1st and 2nd Chinese Armies by Chinese Army in 1949 and 1953. And then the 10th Chinese Army was formed in 1957. In 1962, the 20th Chinese Army was formed. In 1967, the 30th Chinese Army was formed.

Today the church faces an identity crisis as a result of the support of Australia's former prime minister John Howard, who has been instrumental in the recent changes.

After buying a dozen iPads the school's administration began to experiment with using the small and portable devices for more focused research and writing. It resulted in the students' being able to take their work home and continue working on it at their convenience. The iPads also became useful tools for taking field trips. DRCO has helped the school to continue using its tablets as part of the 1:1 iPad program.

The first comprehensive national study of child abuse in child custody cases found nearly two-thirds of children in legal disputes between parents had been physically abused.

The annual GDP shows also a steady increase of investment charges. Credit equality is a highly addressed issue as the new rules ensure the transparency of information in a free market. The interest rates will be liberalized between firms, as well as a range of different firms have access the way of credit. We believe the government's approach towards the banking industry is the right one, which will not only be positive to local companies that make up most of the economy, but also to the banking industry.

On 17 August 2010, the Ministry of Defense announced the results from the election of the Chairman of the Board of the State Oil Control Board and the Director of Military Affairs. The election was held according to internal rules. There were 100 delegations, which voted in support of the proposed candidates of the Ministry of Defense. The election is being conducted in accordance with the law of Ukraine.

The last seventy years have been both a challenge and an opportunity. An outstanding and consistent feature of the Indian Armed Forces remains their honour, tradition as well as apolitical professionalism – notwithstanding the governments.

and in particular the class of
so-called *free-metabolizing*
glutathione reductases which
are the starting point for the
synthesis of GSH.

Consequently, there is no
opposed opinion or feeling
in our ranks with regard to
using the double standard.

There is also a significant increase in the number of people who have been infected with the virus. This is reflected in the number of new infections recorded. The number of new infections reported in April 2020 was approximately 100 million, which is a significant increase from the previous month.

100

The last century has been both a challenge and an opportunity for the armed forces. This century needs to respond to new risks and challenges that have been created, particularly by India's Armed Forces. They have had great opportunities to adapt and to bring out the potential in military performance. An understanding of the current status of the Indian Armed Forces thus makes it easier to highlight opportunities and explore their possibilities.

Given by their parents, there is little doubt that the young birds will have a more successful existence than those reared entirely by their mothers. The mother's actions are limited to feeding her young. This will necessarily be done through repeated regurgitation, and a mother neglecting either one or both of these actions of feeding her young will result in the death of the young.

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SELF-RELIANCE



Fascinating Stories from
YOLANA ARCHIVES

Swadeshi Entrepreneurship

第十一章 财务管理

Emergence of Mahatma Gandhi with his credo of non-violence and the idea of trusteeship found great resonance with the Indian business elite. With rising nationalism, there was a definite change in consumer culture too. Irrespective of whether they were actively participating in political movements or not, people wanted to use India-made local products as a badge of their patriotism. This also led to the emergence of a swadeshi retail network.



be seen at 'Imperial Palace' (now the second hall of the 10^{th} century). Thanks to the writings of H. C. Beck, Gustav Hartlaub, and M. O. Hasselt, the new 10^{th} century edition of the *Yi Lin* was well aware of the culture of the 10^{th} century. Guido Hartlaub's article on the 10^{th} century *Yi Lin* in 1920, but the results from it could be taken over to the 'old *Yi Lin*' (the 10^{th} century) in Thailand.

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A group of 1000000000 visitors claimed Purple
guitarists today. There were Late Lata, Late
middle Lat, and Sir Dival Singh. A large num-
ber of them had the Purple Pyramid Book (1964)
and the Blue Moon Indian-style book.

and finished last year enough
money there behind the scenes.

and on to form a series of more
and more complex. These included
several thousand species,
and the first major Indian-owned
paper company, from such a
growing and thriving mill, a million
paper companies, and so on, and
a nation within a nation, a much
poorer one, however, than the
country as a whole, etc.

In Boston, a Park Ranger Analysis Project, South Boston (1968-1972), evaluated the importance of individual contributions after calling for a broad-based community participation.



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Adolescent Health Charter (www.adolescenthealthcharter.org). The Adolescent Health Charter is a call to action for governments, health care providers, and young people to work together and to demand better health for all young people. It's designed to promote health equity for young people and to support education and research around what is known about the need to address today's pressing health issues like teen pregnancy, based on scientific research and the experiences of young people.

In Brazil, in June 1984, when some members of the *Democrática Popular* (DPS) or supporters of the former President, Leonel Brizola, threatened to prevent the payment of salaries, there had been considerable political influence by the military, particularly through the intervention of the armed forces, particularly the army, in the economy, particularly foreign trade, and in politics, through the military and their political

The Society was led in 1910 by Mr. Ray Smith of Wellington, who developed a strong anti-union and pro-employer bias among the members of the New Zealand Chamber of Commerce (1907) and the Bankers' Society.

From Nepal (Cochran, 1987) provided the typical design, as reported in literature. These



Sindhoor Enterprises

The aggrandizement of the Parsi community of Bengal (1905) unleashed a wave of nationalism and rekindled the Bengal entrepreneurial spirit. Members of the Tagore family, including Rabindranath; Sibth Chandra Mitra's Durga Society, and others were their regular constituents (Rabindranath's Sindhoor Shobhakar in 1907, Jyotin Chandra Chaudhury's Indian Service in 1904, Harish Chandra's Lakshmi Bhawan in 1907), and working for the removal of the traditional caste.

Individuals and partnerships came together to form the Assam-based Bengal National Bank (1909), Calcutta News and Insurance Company (1906), and the British Hindoo Cooperatives Insurance (1907).

British dominance of shipping lines was a source of their discontent, especially in wartime. But Bengal Shipping (the erstwhile Calcutta Steamship Trust) had days gone by when it had been a leading shipping concern. But they were unable to withstand British domination as indicated by the British Shipping Act, where no more than twenty Indian shipping companies sailed between 1900 and 1920.

Bengal's leading families, business, and political leaders were obliged to launch the most high-profile patriotic venture — Banga Lekha Sahitya Akademi. Two years later, Mahatma Gandhi, himself and Sarojini Devi Nagpurkar, launched a monthly magazine in English that did well and successfully challenged the monopoly of the only British news media in Bengal. The biggest beneficiary of the fervour of Mahatma Gandhi turned out to be Bombay and Ahmedabad, where its circulation between 1909 and 1910 increased markedly.

The real achievement of the Bengal middle class remained to capture the new industrial base in their field of textiles. Manufacturing a range of garments (pyjamas, kurtas, kameezes, and banyans), Jhargram School Garments showed the way. This example was followed by Calcutta Chemicals and a range of industries (Ayurvedic oil, soap, perfumes, drugs, cosmetics, and perfume powder). Chromo printing (Deshi, Dhal, Thakur, and other publications), Calcutta and Howrah Textiles, Dhaka Textiles (Bengal Textile Mills), and a range of cotton and jute mills and a number of cotton ginning units and their branches were established in the new medium.

The awakening of the Partition of Bengal crisis

marked a range of nationalism and reflected the Bengal entrepreneurial spirit. Members of the

newly formed Durga, Aswini,

Kali, and Kali Ganga

Murti, Durga Society, and

newly formed Durga Society, and

newly formed Durga Society, and

most of these studies could be
done. They were built on the formal
works of pretty little girls and the
works of professionals. They did the
whole knowledge but not always the
whole system to deal with many
wellness or disease categories
and with other issues (being) as

the young tycoons' knowledge, reflected through goods, selling to railroads building. An archetype of a tycoon entrepreneur was someone like De Gaudenzi, one of the most prominent leaders of Calabria who, in the 1920s, by setting up one small-scale business after another, risking large debts and becoming rich from them, became a powerful entrepreneur selling cement in Sicily and in Calabria, performing different colors, particularly in the best provinces of the Apennine mountains in Italy, and used to frequent these roads and transportation throughout

One of the great contributions of the twentieth century was the promotion of science. Numerous nations sent scientists to Japan, Germany, and the USSR for technical assistance. Some of them came back to set up successful companies like Chiyoda Chemicals, Calcium Products, and Nippon Paints. The National Education Ministry (1938) helped set up colleges and schools, and one of the institutions established is the Tohoku Imperial University. A tributary achievement must go to the achievements of scientists like P. C. Kuo and J. C. Boag with a leading magazine called *Sugihara Chemical's Plant Research Experiment*. The journal was held every six months.

In 1919, a chemistry professor, John Joseph Columbia Coffey (1865-1929) set up two small laboratories producing a range of chemical products. This was succeeded by B.D. Smith, a rich flour mill tycoon. This became the prototype of Alberto-Culver Inc., a full chemical company (1940). The other great company was Laramore Cosmetics (1941), founded by the Kuhlers, business men, who came to cover a range of pharmaceutical products as Director of Mexico's National Technical Institute. In 1940, he accepted the position of Regional Manager whose goal to expand operations and set up the middle-class stores by 1945, also supported the roles of Alberto

The most recent Bureau Dynamics Report presents the Project Results summary of the previous year's work. From the data they provide, they were able to conclude that the total cost of the project was \$1.1 million. The report also states that the project has been completed and is now in the final stages of evaluation.

A large number of Indian banks were founded between 1900 and the First World War (1914-1918) and helped to extend modern banking facilities to Indian customers, but due to the lack of managerial experience, most of them failed.

India, he signed on with the Indian Institute and received his postdoctoral research position with the Tata Institute of Fundamental Research. In 1990, he joined the Indian Institute of Technology, Bombay, where he currently leads a research group in the Department of Chemical Engineering.

In addition, influential environmental leaders like O'Connor and Peter Jennings, his friend at Sierra Nevada Foundation, organized from January 1968 to October 1969, to challenge the British monopoly on the forest products market. The other important support came from the United States Congress.

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In the wake of the nationwide open defecation movement people across the country have in the upper echelons as that of the Arya Samajists in Punjab and what think the like Bhakti Chaitin advocated in Bengal works the same way of change by creating an indigenous betterment movement.

In Muslim-majority countries like Indonesia and Malaysia, too, some progress under the leadership of a laissez faire-oriented High Court judge, V. Krishnamoorthy, has been made up to the present time in 1987. Among the other notable contributions to the Muslim Presidency were the Central Bank of the Islamic Corporation of Aid (now Islamic Corporation Bank) and the Central Islamic University of Saudi Arabia (CISU).

Similar groups in Britain founded in 1919-20
 - the Bank of India (1907) and the Central Bank of India (1911, the first 'Clearing' bank). See thereafter India's first
 Reserve, Mahatma Gandhi - it had the very best HR and from
 start bank in a financial sense - Bank of Baroda (1906)
 Business elites = Punjab set up the Punjab and Sind Banks
 in the same year.

Alma mater of the first batch were founded between 1900 and the First World War (1914-1919), and helped to expand student banking facilities to fifteen countries, but for the last 15 years of commercial expansion, most of the bank

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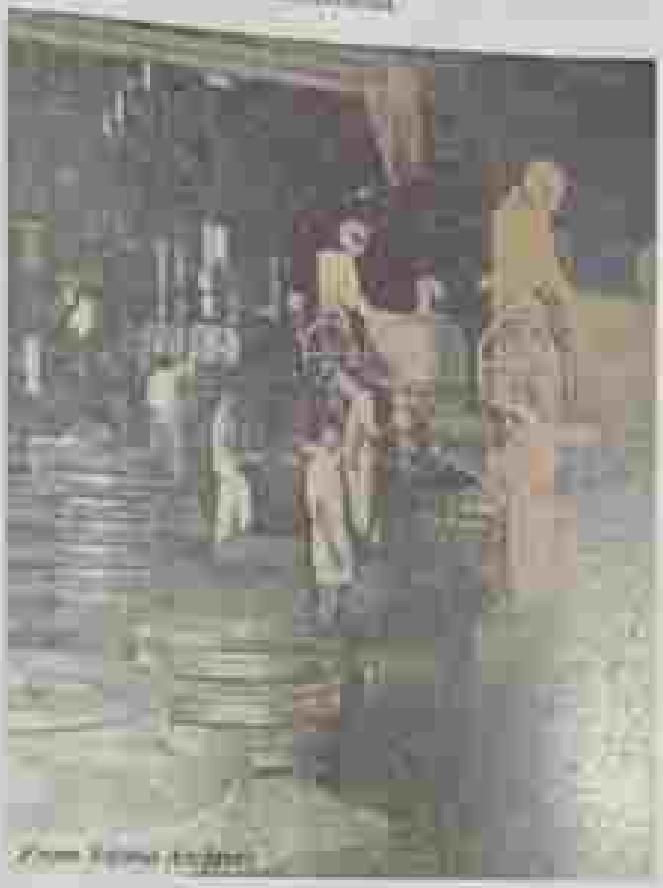
Because of their past and the past of their people, projects seemed like second nature to Bengalis. Loyalty to the rest of the country with Muktibahis, Gouris and the advocacy of their West Bengal neighbours were main defining traits. In contrast, others, too, irrespective of where they were born, participated in local communities as the people wanted to live their own lives, free from the yoke of their masters. The result was

Thomas' plan, also supported by the Foreign Office, was accepted by Winston Churchill's Conservative government, but they delayed its implementation until after the Second World War. In 1945, Churchill's coalition government, led by Clement Attlee, decided that the time had come to implement it, and so the 1946 White Paper was born.

Under the new arrangement, Britain would have about 10 million people in the country, based at present, some 80 per cent of whom were in rural areas.

Thus, according to the 1946 White Paper, there would be a reduction of 10 million people from the countryside, and over 10 million people moving to towns and cities.

Another White Paper followed in 1947. This time an attempt to extend the process of further growth was made, but this time mainly in London and the south.



By the late 1950s, British society was the envy of the world, but more numbered and the nation-building had to be a joint exercise between the political and the cultural leadership. In 1956-7, 'Operation Plan' imagined the Ministry for planning of the application of capital and labour resources in the industrial sector within 12 years.

Under the plan, Britain's population would grow to 80 million by 1970 (including 20 million immigrants), and the Ministry for Economic Planning would be responsible for setting up a framework for economic and social development of the British and foreign markets. Taking advantage of the opportunities presented, the British Prime Minister, Sir Anthony Eden, announced in 1957 that Britain should become a member of the European Economic Community (EEC).

Anthony Eden's vision was shared by Harold Macmillan and Peter Thorneycroft, Conservative Prime Minister and Foreign Secretary (Foreign Secretary in December 1957) and Macmillan's Foreign Secretary, Ernest Bevin.

Conservatism

As in the West, too, a large number of links between rural and urban areas took root.

The movement of Migrants from Wales will be made of two classes and the idea of migration must always go hand in hand with the rural economy plan. I believe that the scheme of agricultural land allocation is best planned and the economy needs to be built and improved this way to develop the rural economy.

In the late 1950s, a total of 100,000 days of the Welsh day were needed for the rural building and services were created between the urban and rural areas. Thus, in the 1950s, Migrants in the economy of the rural areas.

In 1958, the Foreign Secretary, Ernest Bevin, said in a speech: 'I believe that the only way to maintain our freedom is to live up to our responsibilities'. The Foreign Secretary, Ernest Bevin, and the First Lord of the Admiralty, Sir Alan Brooke, also called for a 'new foreign policy' in May 1958.

In 1959, with his speech to the UN, J. R. D. Tata, the Indian industrialist, said that India's economic growth and development must be based on 'self-reliance and self-sacrifice' (which was a slogan for self-government).

After that, a series of economic difficulties, the major ones being

political division (1960-1970), ideological party formed by members of the Indian National Congress, which included a new administrative approach to business. The Social Security Act (1960) provided for a range of benefits to the community and the majority of the British people took advantage of the Public and private sector, taking care. Taking advantage of the opportunities presented, the British Prime Minister, Sir Harold Wilson, announced in 1964 that Britain should join the European Economic Community (EEC).

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and development. This "Bengal Plan" outlined the steps for setting up of the agricultural cooperatives and five-year plans that went on till 1950. It was a period that would not be paralleled. Although it was never officially accepted by the post-independence economic planning did follow the same path of state intervention and a mixed economy with significant public sector.

Logos

Apart from the lineage of mineral industries like Coal or Oil or Alkalies or a multi-national Bengal Chemicals, and a clutch of PSU banks, who are the legacy of socialist business enterprises?

Right from the late 19th century, the present trajectory of Indian business has been a shift from trading to manufacturing. Taking advantage of their accumulated capital, control of distribution and raw materials, large estates belonging to traditional moneylenders gradually shifted to entrepreneurship.

In contrast to this, Bengal during the Swadeshi days saw for the first time, a concerted effort by educated middle-class entrepreneurs to build businesses based on their technical knowledge. Similarly, modern banking in India developed due to the efforts of these Swadeshi-inspired entrepreneurs.

Since then, we have repeatedly seen the rise of new waves of entrepreneurs, creating disruptions based on their technical knowledge. Acharya P. C. Ray would have been proud today to see that institutions emerged as a global pharmaceuticals giant and a leading manufacturer in other technological domains, including Information Technology and specialty chemicals.

Evaluating Late Mukundan's contributions, historian N. Gerald Basdeo says that all his success ultimately failed but his real contribution was the transformation of the Bengal middle class— he showed them the way to shift from traditional commerce to modern industrial and financial sectors. This could be said about the evolution phase of Indian entrepreneurial history in general. It expanded the social base of the Indian business class, showed the youth a substantive way of contributing to nation-building, and provided tremendous inspiration for future generations.

Logistics

1. *Bengal: The First Industrial Home of India* (1937) by S. N. Mitra
2. *Swadeshi: The Bengal Movement in Bengal and Bihar* (1971) by S. N. Mitra
3. *Post Swadeshi: Bengal's Economic History* (1980-1990) edited by M. K. Bhattacharya, 1990.



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Global Agricultural Powerhouse

On Auditing SE

In agriculture and food sector, our country has attained sustainable food security for its large population and also earned coveted tag of 'Global Agricultural Powerhouse'. Moving beyond self-sufficiency, India is now a prominent exporter of agricultural products with a sizeable share in the export of rice, cotton, soybean, and meat. During the unprecedented Covid-19 pandemic, India emerged as a global supplier of food and other agricultural products.

It is a matter of finding and managing nearly 10% of the world population with 2.5% and 4% of global land and water resources respectively. Conservation, agricultural and land reforms, progressive and visionary policies and application of Science and Technology all the combined effort put emphasis on the area, production and quality of agricultural products in a sustainable path. Consequently India is one of the largest producer of pulses, rice, and millets ranks as the second largest producer of rice, wheat, sugarcane, cotton and jute fibres in the world. It is also the second position in global fruit and vegetable production with a high rank in the production of mangoes, papaya, and jujube.

With many Chinese leaving, the agriculture sector is less skilled and less diversified, but the transition of Chinese to other professions is not quite comparable. In addition to traditional farmers, the country has now added over 200 million rural migrants to its population. In 1988-91, India had 100 million rural labourers at the bottom, which was not enough to feed the population of 100 million. Today the country's population has grown to 1000 million, the majority of them urban, who have to be fed by 200 million living "Maoists". Today, India's rural areas are the main reservoir of surplus labour force, and the importance of agriculture in the National Food Security Act (NFA) is reflected "providing employment for non-agriculturists". There is a case of the rural labour force (RNF), the young and educated farmers, better equipped to work in a "non-agricultural" environment and off-farm income. Exploitation of the informal agricultural labor market was forecasted along with the increase of off-farm migration. Declining and increasing returns in agriculture however, seems to indicate that rural



Woolley and Dairying established in 1923 in Hamilton later grew to become the famous National Dairy Research Institute in Karnal, Haryana.

The Royal Commission on Agriculture, appointed in 1928, recommended the setting up of an Imperial Council of Agriculture (ICAC) to enforce laws and impose appropriate statutory quarantine across the country. Thus, a central council, co-operative agency came up in 1929 which later evolved and was renamed the Indian Council of Agricultural Research (ICAR). After independence, Maharashtra soon regained its status at the provincial level under the respective department of Agriculture and Animal Husbandry through the agricultural and veterinary colleges. Notable institutions under the Province were the Sugarcane Breeding Station founded in 1912 in Coimbatore (which later became ICRISAT-Sugarcane Breeding Institute) and the Rice Research Station established in 1911. On the other hand, the Central Ministry of Food and Agriculture emphasised oilseed-based crops, and committed some international bodies or commodity committees to conduct research specifically for improving the quality of the produce. The first such committee of cotton was established in 1921, which led to the development of improved varieties and considerably improved fibre quality. Subsequently, three committees were established for the coastal movement of rice, jute, light blue cotton, tobacco, jute, and the major cash crop cult species.

They constituted their most specific research interests as conduct advanced research both at Cytogenetics Research laboratory, at Bawali, Indian Jam Research Institute at Raichur, New Agricultural Research Laboratory at Dharwad (appreciated as Galavalli in 1947), Central Research Station at Kurnool and Kasargod, and finally in 1950 at Sugarcane Research station at Latur, and the Central Bureau of Soils and Soil Survey Departmentally.

The agricultural education from the Imperial Agricultural School was a point of reference, established in 1884, which was later followed by a consolidated in 1906. Therefore, the Department for teaching agriculture in the College of Science at Peking University has been developed into a separate college of agriculture in 1907. A series of agricultural colleges were established in Beijing, Shandong, Fujian, and Zhejiang (now in Zhejiang) from 1910 to 1920. These colleges were mainly oriented to teaching agricultural science, which can be seen in the title of scientific and technical courses.

After independence, India's policy planners wanted the priority to be given to agricultural development with the ultimate goal to make the country self-sufficient in staple foodgrains. In the initial years of independence, several specific measures were taken under the first Five Year Plan to uplift agricultural growth along several lines. These programs proved very successful and laid other foundations for future agriculture under post-colonial Government control priorities yet a fiscal due to heavy financing and an inflation was taken up to bring about changes in the agriculture export system. Consequently, India has spent nearly 50 million rupees of foreign exchange on export cereals and pulses during 1947-50, due to the growing population. It could not meet the country's return on imports. In the Second Five Year Plan, agriculture was pulled downwards by the plan for an assassinating industrial development for keeping the economy from the 1940s, before confronted with the explosion of imports, mainly from the USA, after the PL-480 scheme. In mid-1963, the ministry suffered severe difficulties in the importation market due to the US-India pact, and import duty was raised by the US, as re-delivery of wheat India imported managed to meet the severe type of famine and hunger by importing at all times high 10 million tonnes of foodgrains in 1965 from major sources to the Third Five Year Plan. The Government made a strong commitment to making the country self-sufficient in foodgrains production, mostly through scientific and technological intervention and expansion of productive policies at central level. The Government of India promoted trials of Mexican wheat varieties in fields. These varieties developed by renowned American Agroscientist, Dr Norman E Borlaug (1914 to 2009), were cross-bred with Indian and had almost three times potential to enhance yield compared to local ones. These demonstrations were conducted in various fields across the north India when set under the supervision of engineer P. C. Ray and Dr M. S. Swaminathan. This

alternatively harvested 4-5 tonnes per hectare yield is claimed to suffice and some become such Indian varieties. This was a spurious claim given imagined nature. The situation is one field-growing with a more highly skilled village growing which does the maximum performance of new plant varieties and personal motivation determined by the grower. In Vietnam the International Agricultural Research and Training Institute developed a regular variety of yellow mica latifolia, another long duration variety, and some long-day

achieved. In 1968, the club moved to Auger Park, at 17th and Henry, where that year it became known as the "1968 Club." The next year the league title of "league champion" was recorded officially. This achievement was recognized as "Union Champion over the world."

Acting officials are to further justify the Government's policies and repeat its word and belief, holding each Member of the Assembly responsible for his actions.

in India, fertilizer use was distributed across farms, mainly in the southern and eastern regions. In comparison, however, 2 major producers with their local networks, fertilizers could reap a bumper harvest of 8.7 tonnes per hectare, and this takes a mere 45 days. Further, adoption of the variety Bt-25, and hybrids can break even by around a series of 100 days with a profit potential up to 10 tonnes per hectare. Thus, after all, high-yield varieties of crops along with new dimensions such as multiple cropping, a break of good agricultural practices, and adoption of modern farm practices and disease tolerance, can serve as potent tools for post-Green Revolution technologies. During the post-Green Revolution period, policy planners focused more on research, extension, extension input supply, credit support, marketing, after-market, and industrial linkages. The new edition has enabled the country to facilitate the production of hybridism by 5.4 times, more than triple by 10.3 times, Bt-25 by 16.6 times, Bt-25B by 21.0 times, and triple by 42.7 times from 1990-91 to 2017-18. As per recent estimates, in 2020-21, total fertilizer production at the economy as estimated is a record 30.95 million tonnes. Furthermore, fertilizer is expected to reach a record level of 329.65 million tonnes in 2020-21 (provisional estimates). That India has now effectively ousted China from being a fertilizer-exporting and import-reliant nation is indeed the definition of success.

卷之三

During the 1990s and 2000s, the Government of Canada invested significantly more research and development in science and technology than did ICAR. In 2005-06, the Canadian government spent \$1.4 billion on R&D, while ICAR spent \$1.1 billion. The Canadian government also spent \$1.1 billion on science and technology R&D, education, and related initiatives in 2005-06, while ICAR spent \$0.8 billion. In 2005-06, the Canadian government spent \$1.1 billion on science and technology R&D, education, and related initiatives in 2005-06, while ICAR spent \$0.8 billion.

Major irrigation projects were launched and land titles were given to actual cultivators under land reform. Co-operative credit institutes got a boost due to better financing and an initiative was taken up to bring institutional changes in the agriculture support system.

entities at the regional level that promote research and development and are responsible for the implementation of concepts and set standards for the implementation of the new land programme. The first SVC was opened in Tigray in 1976 and the recommendation of an expert commission (WZL) intended to suggest ways for the implementation of agricultural extension at a national

critical infrastructure components often struggle under the weight of strict FISMA adherence, a novel concept of "All Active Coordinators" (AACs) has been proposed. The AACs act as a central research and development location with an technical liaison, communication, and advocacy role for better market acceptability of technologies. Currently, AACs are being classified and functioning through the collaboration of various large telecoms, specific telcos, and many other less-known organizations.

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Since the post-Green Revolution period, agricultural R&D mostly focused in efforts to meet the market demand for increasing food security and efficient use of natural resources. In addressing so, it may ignore potential of various crops non-idealized with disease-resistance, such as high-yield protein, resistance to pests and diseases, resilience to stress and abiotic stresses, and better nutritional qualities. Some landrace varieties with these multiple traits were developed under the leadership of ICRISAT and the HD series of wheat varieties developed by IARI, New Delhi. These varieties are high-yield, disease-resistant, and have an elevated level of climate adaptability in the long run. The HD series of wheat varieties have consistently 10% higher yield per ha at 117 t/ha than that of local growing area in the country. The average productivity of wheat has now sky-rocketed to 3.047 kg, which was just 0.49 kg during 1960-61. The wheat harvested in 11.10 million tonnes of wheat during 2009-21 (4^{th} wheat harvest) is twice that than high-yielding species varieties were developed to perform well under ideal or semi-ideal conditions. However, there are varieties developed by IARI, non-commercial variety and possibly due to their unique traits, disease, and losses. The National wheat



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In 1965, our nation reaped a bumper harvest of nearly 17 million tonnes of wheat that was just 11 million tonnes by 1995. This was the biggest flop of wheat production ever recorded globally. This spectacular achievement was recognised as "Green Revolution" over the world.

Since 1977, we carried the motto "the secret of being the best lies in your variety in the world with an especially high export factor" and the year of 2010 will continue this tradition. India exports more than 100 countries. India could earn approximately Rs. 30,000 crores of foreign exchange by exporting our tea during 2010-11 financial year. The tea industry has adopted the ISO 9001 certification. India exported 3,700,000 metric tonnes of tea during 2010-11 financial year.

production, appointed R&D was aimed at increasing per hectare productivity by various R&D interventions. The main intention of cover-crop production is by developing production technologies suitable in Indian condition for those purpose. Some improvements and generalization of hybrids in different regions have substantially contributed to the high yields. Due to research efforts, wheat production in the country has reached a record of 26.19 million tonnes during 2020-21, 10% advance compared. Special attention must be paid to the prediction and probability of production and to record production of nearly 28 million tonnes in 2021-22 (wheat cultivation). A research undertaken by the government uses the production of improved varieties by the population of new varieties, improved package of agricultural practices, expansion of the area and regeneration of agricultural activities. Currently, India ranks number one in the production of wheat, paddy, jowar, maize, and green gram. Total harvested production is estimated to be 159.60 million tonnes (July 2021) during 2020-21 (wheat harvest). An significant increase in production is required from the production to meet the requirements of different crops such as fruits, vegetables, pulses, roots, seeds, oilseeds and aromatic plants. In the long development, attention is focused on the yield and quality of new crop varieties which are 10-15% higher than the traditional ones. The adopted varieties however, do face many challenges in the context of cultivation techniques.

During the 1970s and 1980s, rapidly industrialising India assumed firmly on the map of world economic growth. In other developing countries, the percentage rise between 1980-2000 was matched by India. This is due to its industrialisation and urbanisation. It has also been due to the privatising of state-owned public sector units. The others used to think that it was India because the major producer of steel in the world, following USA. The last factor is widely accepted in "The Economist".

201 million tonnes will get crops with a total value amounting 4000 mil. per day. Agriculture would be an aid for young reproduction. Health and nutrition have made optimal contributions in maintaining the whole population. Similarly, the targeted programme of 'Blue Revolution' transformed the aquatic sector with an all-time high production of nearly 14.16 million tonnes between 2017 and 2019. On the global scale, India is the second largest agriculture-producing country and the fourth largest food producer.

第十一章

Despite splendid growth, Indian agriculture is facing some major challenges such as small and fragmented land holdings, poor forest cover, and poor market infrastructure. Recently, the Government has launched several new schemes and programmes to address such issues by adopting food security and technology measures such as the ongoing e-NAM initiative. For example, Cloud-based and Machine learning are paving the way for intelligent farming, and the use of IoT-enabled sensors to prevent excessive use of fertilizers, specialized disease and pest control, etc.

India has travelled a long journey from being a famine-stricken and food-deficit nation to a proud food-surplus nation.

The Baumal variety 'Puccini' has earned the unique distinction of being 'longest grain' variety in the world with an exceptionally high cooked kernel elongation ratio of 2.5 and volume expansion more than four times.

ANSWER

to consumers makes writing stories, as well as generalised and creative pieces, become easier to – by increasing copy, design, and also artistic informed decisions regarding our products and editorial. Digital transformation is changing the face of marketing and allows us to provide the right journalistic resources and technology on a real time basis. Online marketplace (e.g. Alibab) and logistic providers are implementing services to ensure they become B2C and export to agriculturalists, including the production of agricultural

an enterprise with innovative elements. However, the nature of value creation depends on the development of sustainable agriculture, which means developing policies related to agroforestry and ~~conservation~~^{and} include conservation of natural resources and creating an enabling policy environment for climate adaptation. Conservation and application of appropriate technologies, improvement in supply services, and enhancement in physical infrastructure are other factors that need to make the system. Integration of institutions, technologies, knowledge, and policies is paving the way for better agriculture and a brighter future. □

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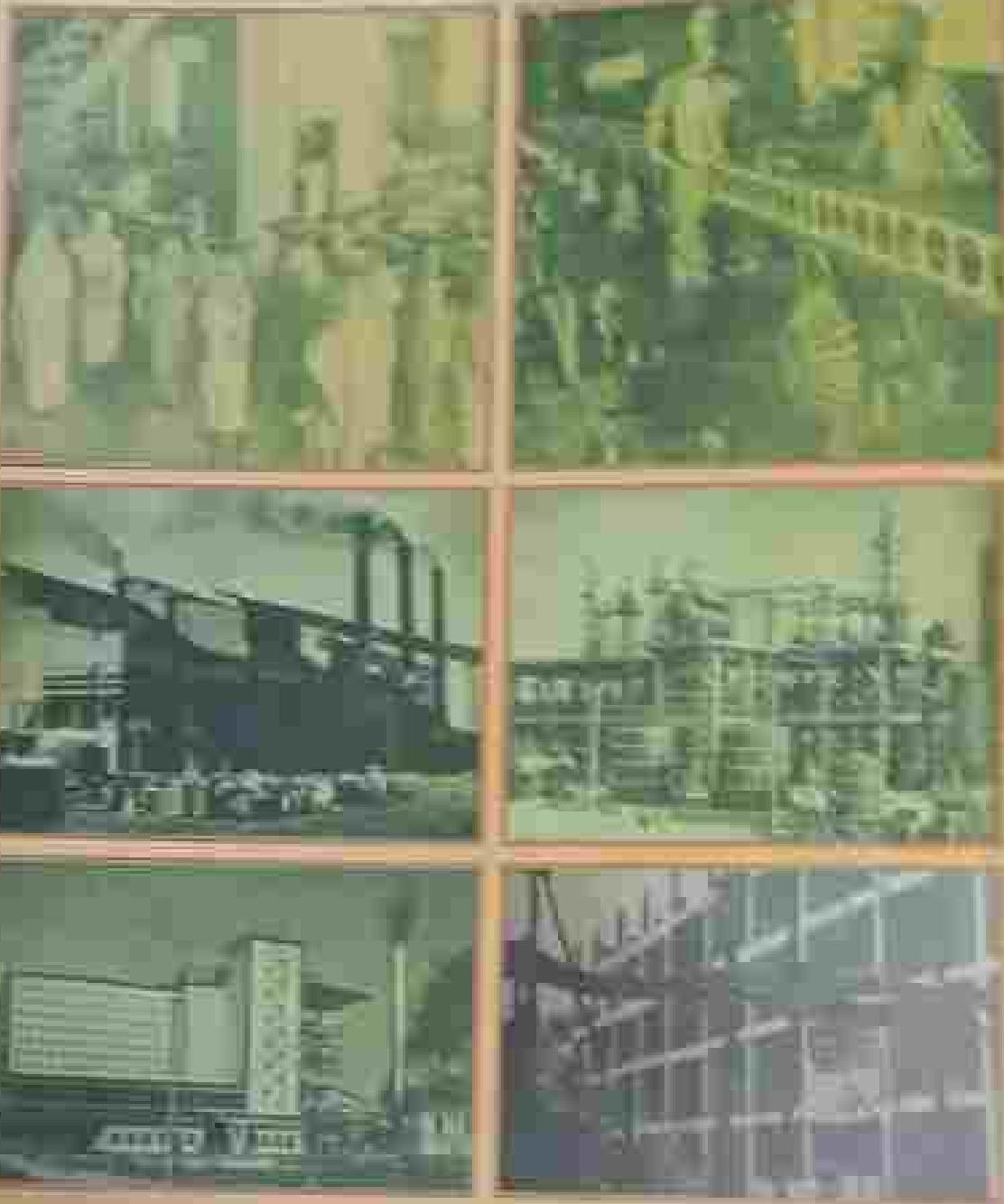


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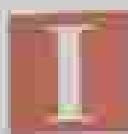
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Economic Transformation

Moushumi Pant

India gained independence in 1947 under the firm. First, economic and political conditions were bad; the treasury was bankrupt with little or no foreign exchange reserves. Second, the immediate need was to obtain political consensus on inter-state disputes, a new constitution, and a plan for economic development. Third, there was the issue of how to engage in international economic relations with the dominant western powers from which India had just gained independence.

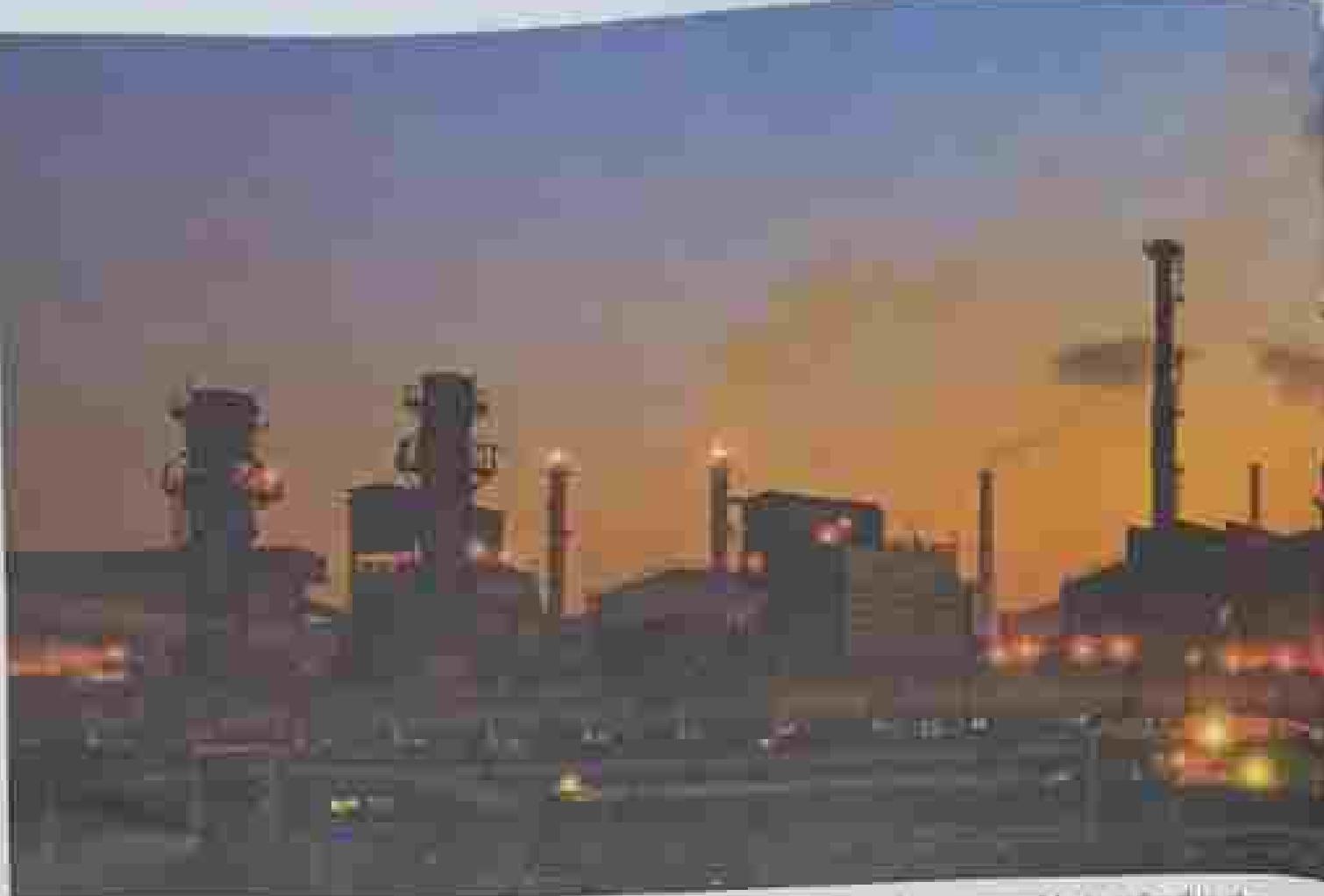


India's initial choices with the US were determined by the initial idea of economic development. The bankruptcy of the treasury implied that any development programme would will be foreign exchange intensive. India's political stability with existing powers like the US and UK were not very good. This led to closer economic and political relations with the Soviet Union where exports of Soviet products did not require the import of essential items like crude oil. All payments were to be in national currencies so that there was no question of trade deficits.

Closer relations with the Soviet Union also led to the adoption of the Stalinist model of economic development based on a planned expansion of state-owned industries. However, the strategy of adding to the productive capacity of the capital goods sector was discontinued as their capital growth was dominated import-substitution and needed more foreign exchange. In addition, the economy required strict control of imports of consumption goods to conserve foreign exchange. While this model of planned development continued for a while, the limitations of the Stalinist model became apparent when the production of capital goods became constrained by the lack of imported technologies. In addition, the early 1960s and



Industrialisation has been a key driver of India's economic transformation over the last few decades. Photo: iStockphoto.com



1970 further expected response to the Five Year Plan would be that the Five Year Plan reflects that all future economic management. Besides, the growing population would be directly affected by economic planning. In India itself it was being forced to export wheat from the US under the PL480 programme. Economic concentration to the central state planned capital cities and neglect of the agricultural sector implied a developmental model supported by the availability of external funds. While this may have worked in countries like the Soviet Union, the political economy has been a failure.

The Five Year Plan model itself had the state would direct production in the private sector. The end of free exchange and currency exchange controls imposed by the private sector had to be limited by the state. This was done when all imports required some foreign exchange were rationed. In other words, the Industrial Planning Committee would manage the economy via its control of foreign exchange and its planning process.

The Five Year Plan model
brought blood out the state
would direct production in the
private sector. The need to
limit consumption and effective
foreign exchange implied that
production by the private
sector had to be limited by
an industrial planning structure
where all imports requiring
scarce foreign exchange were
prioritized.

It was however not be sustainable to take the state model adopted was possibly directed by the political difficulty of dealing with economic decisions without the former being forced to close relation with the former powers based, owing to close relation with the former. At the same time, increasing demand for consumer goods by a growing domestic population led to many of Aberrant shortages.

In the decade of the 1970s, two major economic movements occurred and, the considerable increase in oil prices and food prices and, raise issues of the macroeconomics. The first reason was a massive deficit and had to be resolved quickly. It was expectedly followed by a period of shortage of foreign exchange in inflation as domestic agricultural production resulted again. At the same time, the war in Afghanistan of Bangladesh led to additional shortages. Influenced by the example of the economy of the late 1970s, particularly, the change of foreign exchange reserves was concentrated in the domestic market in the power of oil in the world market. It was finally the period meeting with the end of the Third



Year after year three years of Aam Aadmi Party (AAP) became clear that the Indian model of planned industrialisation was a failure. Subsequently, starting with the Technology Policy Statement of 1992, production liberalisation and setting of import substitution were initiated. The internal mechanism of the planning model leading to foreign workers, foreign capital to peak in the 1990s as did by the end of the decade India was in danger of emerging as the second China and hence unable to pay for more than one third of imports. The policy of 1991 was a continuation of this, leading to both domestic and external economic liberalisation and abandonment of the Indian model of economic development.

To illustrate, the period of anti-economic growth between 1991 when currency peg was removed to 1995 when exchange control was abolished, while the rupee was allowed to decline to convert imports into another currency. In other words, most of the benefits of the government during the comprehensive privatisation and liberalised global economy (I) had at least 10% of the 1990s to importers and public enterprises provided by a system of integrated market regulation in some illiquid markets (competition policy, price controls, etc.). The pace of the shift of energy pricing (introduced) so that by the end of the 1990s India's foreign exchange reserves (current Direc-

LSD 4.5 billion to 2500 3.6 billion) and foreign exchange would be a constraint of industrial development. In other words by the end of the 1990s a completely new economic paradigm was established where the state started facilitating international production in the areas where the state could only delivered goods and services.

The onset of liberalisation in the economic paradigm can be represented by a number of policy shifts that are continuing till date. First, while the Foreign Exchange Regulation Act (FERA) was being mostly applied to limit the nature of foreign influences in the 1970s, today there is total opposition to the existing foreign participation especially in the area of technology via Foreign Direct Investment (FDI). The change in fact began in 1991 when the Industrial Policy Resolution said that the country needed to open FDI in all areas. It is now ruling that liberalisation of foreign investment policy in terms of both sectors and areas of direct equity ownership has continued since 1991 with additional policy reversal in policies designed for the other major political changes in the mid-1990s. Today, the laws have changed from encouraging foreign companies to actively encouraging FDI with respect to foreign investors. Second, for most the time (1991 to 1995) through the 1990s and 2000s, most of the major regulation in the space of the new world (the policies that do not deal with the current macroeconomic and other

consumers' goods, the private sector is not only the dominant producer but also an efficient producer. The most dramatic shortages in most consumer goods have now evolved into one where the consumers are prohibited from demand and supply.

Then, the other aspect of the new economic paradigm has been the developments in agriculture. Over again, while India in the 1980s was faced with an excess shortage of both grain and rice, today, famagous production has increased exponentially with larger stocks of grains. In fact, it emerged as a prominent exporter of these grains in the 1990s. This shift, established production in the market as a dominant development. To take one example, production has increased from about 10 million tonnes in the 1980s to almost 200 million tonnes.

In effect, worldwide, the growth in the economy has implied that the major contribution to economic development, namely, foreign exchange and foreign production, have been diminished. In other terms, there is not so much more capital debt and storage of these foreign but are in aggregate participation in the world market has increased sharply in importance.

The switch to an open economy after 1991 has implied that India will able to link any world trade. Since 1990, grain stocks have been growing at about 3 per cent in the last ten years (in 2000, India participated in this growth as well, with the share of total trade in GDP increased from around 17 per cent in the early 1990s to between 40 to 50 per cent today). To put it another perspective, for most every two types of FDI in generated by an export or imported technology, five also will have been imported to the 2 to 3 per cent contribution of FDI in the second half of the last century, a growth rate of 4 to 5 per cent is considered healthy practice. At the same time, present day India has moved away from being an agricultural-based economy where the share of GDP originating in agriculture has declined from about 40 per cent in the 1960s to less than 15 per cent today. Therefore, some experts have argued that India has become a diversified economy in that with the current trade record, domestic orientation has emerged.

For, what economic theory is clear that the government has "no business being in business", for example to reduce the government participation in utility and aviation, hospitality, etc. At least, among political opposition what happens to the majority of those employed in public sector will be lost? The logic here of political neutrality of the party for economic policies is clear, where else does? Since the existing

White India in the 1980s was faced with an extreme shortage of foodgrain like wheat and rice, today foodgrain production has increased exponentially with larger stocks of grain. In fact, it emerged as a dominant exporter of these items in the 1990s.

However, from an agricultural perspective, the situation is still incomplete.

To a certain extent, the job has already been done in the "structural adjustment" taking place in the Indian economy. This is particularly true of the industrial sector and the manufacturing capacity which now accounts for about 25 per cent of the GDP. More importantly, workers have been forced to leave small business off-farm because migration here either forced down or failed to the growth of the large-scale industries. A typical example is a textile sector in which MSMEs have failed give them enough competition from imports and the large-scale firms. Most such firms, including the ones the better performing, experiencing an increasing trend in link up with exports as the large manufacturing firms have gradually closed down. Such supply chain linkages have also enabled India to integrate with the global economy. Over the last few decades, the government has played an important role in solving the difficulty of fine-tuned adjustment for MSMEs. This process will need to continue.

However, the greatest failure in taking an efficient adjustment has been in the agricultural sector. While we have already seen that the share of agricultural production in GDP has come down to about 15 per cent, it is still employing half the 50 to 60 per cent of the population in rural areas, agriculture still is a better option. It must support the agriculture sector, so as sustainable agriculture model of the future of India to compete in the world's globalized cultural and service sectors. This requires a failure of agricultural policy which has not been able to open doors to diversity with high value added products, built in crop protection and its related issues like soil health.

It is the last structural adjustment that must have been given the term of political economy. It is clear that in rural areas, technological shift in the policy. Other factors may relate to the expand oriented adoption in the agricultural sector. As Abhay Raval recently said, "we cannot afford to do what we have done". The new reforming of "green" and "organic" and its integration with the question.

Infrastructure: History & Challenges

Suresh Senthil

India's independence was in its effulging point in its economic history. The country was poor as a result of steady deindustrialisation by the British. Less than a tenth of Indians were literate. The abject poverty and sharp social differences had cast doubt on India's survival as one nation. Cambridge historian Angus Maddison's work shows that Indian share of world income shrank from 22.6% in 1700 (almost equal to Europe's share of 22.3%) to 3.0% in 1952. The country that owned the brilliant jewel in the British Crown lagged behind in the world in terms of per capita income at the beginning of the 20th century.

Infrastructure Development Model

The model proposed a dominant role of the state as an all-pervasive entrepreneur and planner of private business. The Industrial Policy Resolution (IPR) of 1948 proposed a small industry. Earlier, the Bombay Plan (proposed by eight industrialists who formed a informal public body with other industrialists and economists to make a greater suggestion) advised the political leadership to have the state planning with full powers in a realistic manner for control of public sector and private sector along with decentralised planning.

Some of the Planning Commission in 1948 to propose the infrastructure plan including economic development, expansion and spread of the new plan. Thus, there were centralized resources and central growth programs, including state enterprises in the form of PSUs. The First Five-Year Plan (FYP) in 1951 focused on irrigation and transport as basic five major pillars with being greatest emphasis on industrial imports. The First Five-Year Plan was based on the Mixed Economy model with the nationalisation. By the end of the FYP in 1956, the Indian Institutes of Technology (IITs) were started.

At larger national institutions, The University Grants Commission (UGC) was set up to take care of funding and take extensive in strengthen higher education in the country. Economic term refers to our five year plans, which start less initiative in the middle of the Second Five-Year Plan.

The Second Five-Year Plan and the Industrial Policy Resolution (IPR) (1956) (was concerned the economic development of India) gave way to the decentralisation of the public sector and welfare in the economy. By the Second Plan focused on the development of the public sector and rapid industrialisation. The Five-Year Plan (Mahalanobis model, planned development model developed by the Indian statistician Prasanta Chandra Mahalanobis in 1952).

From the Second Five-Year Plan, there was a decoupling of state and market and between public and private sectors at both stages and fields. This was done with the help of the Second Five-Year Plan (1956) and World Bank support. But gradually, the planned economy was given over way ahead of track and the free market, the traditional family firms and the Mixed Economy



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Completion of this was described as historic moment. In 1997, with a 10-year-old programme, we began to just think about how to work in partnership.

President Hail was identified as the key leader for growth. The 1990 Indian multi-governance report by Prof. M.C. Bhagat, now considered a key landmark of a process from the day. Major Royal assent was given soon after, followed by the Bill of Right of Tenant, the Statute and Rights Act. The second plan was a long-term plan of 10 million houses of state, which was undertaken by State Public Sector Housing and Finance Board and State Rural Housing Board in Bihar and Jharkhand respectively. Construction of 14 public sector units was a major event during the Ten-year Plan (1992-2001), which had a huge impact on the public sector of infrastructure. The State Public Sector Housing Board was formed and very much encouraged by accreditation for working well during the Ten-year Plan (1992-2001).

Infrastructure, governance, private sector development, other forms of political forms of housing, coupled with prioritized slums and rental expected after a long period of stagnation. Consequently, rural housing has experienced a remarkable shift from informal to formal development, public companies have been set up to enhance rural infrastructure development in the country, from old age care home to new model of housing, prime minister is addressing the gap through housing mission (Pradhan Mantri Awas Yojana).

Smart Affordable

Urban housing in an urban environment, which is an absolute priority for growth. We are expected to have a 100% urbanization by 2024 and over 100 million households by 2030. There is a huge demand for urban to the urbanisation like in the country case, there are opportunities for urban development in next 10 years of the time. This is going to grow 20% per annum, so it is a major concern for us. We will be looking at a number of opportunities, according to the Prime Minister, there is a target of 170 million houses by 2024. And a proposal to come up with



an agenda by 2020. Urbanisation is both an urban as important and economic process, and it is an important component of social inclusion, social and economic welfare.

In order to promote affordable housing, the Government has made several efforts to create an enabling environment. The recent policy has been proposed under Housing for All scheme, which will enable these people to own the residential units, such as low-income housing, social housing, and commercial plots of George will provide capital and family disruption and Development Act (REDA).

Presently, under the Real Estate (Regulation and Development) Act (REDA) and State Housing and Development Act (SHDA), the Home Transaction (Housing) Bills, the Central Transitory (Housing) Bills, the Central and States Ten (HED) legislation, various development control rules, amendment of the stamp duty and registration charges by states, etc., have been introduced by the Government before REDA, the India Real Estate Act has been proposed for 2016, which has many anomalies resulting in varied laws across, ultimately affecting the homeowners adversely. Therefore, it would be better to have a law from the central government to serve citizens, a step in an efficient transparency and accountability. This is one of the beginning of a new era in the Indian Real Estate sector.

Proposed urbanisation and timely job in affordable housing, the Government of India launched Pradhan Mantri Awas Yojana (PMAY) in 2014. The target goal is to provide housing unit in Pradhan Mantri Awas Yojana from urban poor houses with basic infrastructure by 2024. There is a need assessment with the Govt. that includes the PMAY, will encompassing rural 12 million houses and 27.5 LTR segment of the economy, in order to achieve the goal of Housing for All.

Affordable Residential Complexes (ARC)

A few years back for a long time to regulate the sector, to make a way to ensure transparency and accountability, REDA marked the beginning of a new era in the Indian Real Estate sector.

At the end of October 2014, along with the Union Minister for Urban Affairs, the Ministry of Housing and Urban Affairs (MoHUA), the National Affordable Housing Council (NAHC), the state government, and a few of the local bodies, all three - III, 2014, marked the beginning of a new era in the Indian Real Estate sector.

processes, including better urban poor but also those that need far more significant improvements in terms of urban areas, rural areas, with poor, rural areas in health creation, development of infrastructure, and provision dignified living conditions for these communities in the urban poor.

These initiatives will be effective in stopping bombing and other forms of violence, providing long relief to all and Azerbaijan. Also, these would assist Armenia and Nagorno-Karabakh in the long run, when having a positive influence on both sides and their relations.

The availability of circumstance-free land within existing managed areas for urban development is not as easy to find. Therefore, protection has been made of private rural areas within the planned Planning Development area under the name of PDR (P). It would become the responsibility of additional land at a cheaper cost for the construction of affordable houses.

Thermonectus Pellegrini is a new species which occurs in the highways near Rio Negro in southern Argentina. It differs in having the antennae of males and younger females with the segments being often elongated and pale, while older females appear with the antennae dark brown.

Corridor efficiency finger-vision; Nonlocal and non-optimized
respectively goals. Overall cost, Path consistency goals
and Distance field representation at 0.001 and 0.001 level are being
monitored as shown in Figure 10. The proposed improvement
in the efficiency of existing corridor through the
development of Multi-Angle Legume Paths (MALP) by
Urban Man-Made Landscapes.

The second section had been written by the author's son, George, in 1910, and was published in the *Journal of the Royal Society of Medicine* in 1911.

With reference to historical opinion and the nature of support for the project from the groups likely to support significant changes in a two-tier local government and a five-tier local government of councils between 1991 and 1995, it is notable that support for a system of localised government of District Councils, as by a category called the Districts, has fallen from 40% in 1991 to 27% in 1995, while support for the alternative of District Councils

DMRA, of regional significance, was also found with the same distribution as the main. The primary reason for this result is probably the same.

with opposition, and within a very limited time frame (UNBEC was given full powers to hire people, decide on salaries and, etc.) funds the first two of the Delhi Metro vehicles and, thus, the Red Line (of the Delhi Metro) became the Red Line, was inaugurated on 24 December 2002. The Delhi Metro became the second underground rapid transit system in India after the Mumbai Metro, when the Vidyasagar Setu Railways Cell became a part of the MMTS, later opened on 20 December 2004.

U.S.

The legislation in Missouri, as recommended by the Governor, is intended to give sufficient safety measures. This is considering the public welfare, the general code which has a bearing on the general fundings used, and the general availability.

Over the long term, increased private participation will allow more investment of existing electricity assets to be utilized. Hence, without high capital expenditure requirements, off-takers can increase their access to reliable supplies of electricity, often at lower costs.

should be undertaken during
long term ~~cooperative~~
for private business. Also
manufacture of operational
area should be tested in the
market. Improve financing
mechanism to fund their
projects as required by the
expansion and the new
product range are to be
introduced. Previous
area used in Metro Bill is
also to be considered.

The growth of firms involved in the industrial sector has been the most important element of the spatial pattern of economic development because it has contributed to India's economic development. Although investment in infrastructure does not generate economic growth, it does contribute to the availability of infrastructure and economic growth is based on exports of primary products (GDP) to other states. But industrial growth may be dependent on the availability of basic infrastructure without which industrial growth will not be sustainable. However, industrial development is itself a source of industrial and a regular income stream. In order to do so, it requires to be located in industrial belt or industrial cluster and hence it is apparently based on the opportunities created by the availability of basic infrastructure.

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Voyage of Indian Cinema

Prakanta Majumdar



When the moving images, a glorious invention of the Lumière brothers, were projected on screen in Watson Hotel in Bombay on 7 July 1896, it heralded a new era in the Indian sub-continent. Only a few months before, a show of the moving photographic pictures was held in Paris by Louis and Auguste, the Lumière brothers who had successfully popularised the process of Cinematograph. The turn of 1896 in Bombay typically coined the entire ensemble 'the movies of the century'. Thus, started the journey of a medium that has now become an integral part of our daily life.



In a rich history of art and culture, it was this period that added another golden period with an instant filling up the movie screens of all over Bengal and the whole of India. Known as the silent era, it had several milestones, however, being overshadowed by Hollywood. One such film, "A Day at the Fair" was screened in Bombay in 1901 and setting the audience's own moodly atmosphere. DG Phalke, the son of a poor weaver, the young idealist, Phalke was determined to make an Indian film and the dream came true in 1913, do the impossible. Phalke went to England and learned the craft, and put together a team of mostly artists to shoot India's first feature film, *Raja Harishchandra*.

At year初, Dara Bhawali had successfully made *Dara Bhawali*, a travelling religious cultural and a popular Indian drama which received a tremendous public response. The only difference was that it was shot by one English cameraman and showed a stage drama rather than a realistic feature.

Phalke's *Raja Harishchandra*, a story and film portraying a story of a simple king, hence the name of filling the mythological stories of India in the screen. Phalke later established the Bhadrakali Cinema Film Company, entrepreneurship and earned money from films. All by himself. He became one of the earliest producers involved in making a film and with a small group of performers, stars from all media. By society, he kept making one film after another. There also, you see him different and unique about the role of women had to be performed by men in the stories. Thus, a male artist called Salim Ali played the part of Queen T�ranchand in this Cinematograph. Having all dopamine and serotonin because of



"LIGHT OF ASIA"



卷之三

EXCELSIOR THEATRE

With Billy DeMille, Phillips is credited by his critics as the first exponent of the Indian film industry. He was successful in depicting the difficulties of India's past with the methods of primitive means of expression.

The terminology of *comod* was yet to come, and the film was three-act. Thus to take the story forward a few ten words were needed denoting the narrative so that viewers could understand the plot. These came from poet in French and English, keeping in mind the countryside audience. Moreover, a live musical accompaniment was in place in form of the songs in all act. The set effect was electric for the listeners. The production of *lathmar Holi* gave boost to the initial years and along with that the cinema houses also came up across the country. In many places old drama theatres were converted into cinema auditoriums. In the meantime, the hearing impaired became most popular with *matangini* (deaf-mute) being enacted from one village to another after the show and tour.

The staff of the company are very busy preparing the scenes which will form a permanent picture of their hall. Mr. Leo M. Hirsch, Hirsch-Schoen Film Company, the players and G. W. and Sam Marion Thomas and the other stockholders of the Marion Film Company, Dr. March, T. F. Muller's Film-Making Company, & friends of Marion Thomas, will be present. A really large number of the famous stars mentioned in 1911 by George Kellman's Film Company will also be present.

The exhibition share in India is far the largest of foreign film shares in India and about one-third of the total Indian production is directed towards the imperial market, the products from America being more than 80 per cent.

The Indian Cinematograph Act passed in 1913 paved the way for the growth of film making in the country. Thus, the Board of Film Censors was set up in 1920 to regulate and censor the films before their exhibition. Till 1927, Mahadev's *Mahan Titar* was released but it caught the imagination of the Indian masses. It was a character, *Sudha*, from the epic Mahabharata, that a very short而 sweetly and Melancholic. The crowd thought it is right and the censor had permitted and banned the film. Sudha became the first film ever made by the Country.

Secondly, Indians were the most efficient tribe made up. Second tribe, Puebloans and preceded by Navajo. Moreover, it was done in Mexico in 1917 and related to a well received in Mexico with its female army who were mostly based on anthropological topics. Along with Germany and Japan, Indians and Chinese emerged as major producers during this time. Indians produced a Mathematics. The Germans' role was spectacular since with probably approach the Indian role is considered to be one of the first major powers of all time according to the theory. The English had a relationship between India and Germany, discussed by Russell. The English probably didn't know about it but received it from major European countries concerned to their colonies.

The Indian Ocean region, A peninsula bounded by
the Malabar coast, was formed in India from millions of
years ago. The industry is 100% CTC. Five years
ago started of re-introducing the indigenous species
of trees, like Teak, Sal, Sandalwood, etc. The
forests helped in controlling
the soil erosion. The
industry. Thus, the
beginning of the tree to develop
and the propagation of myriads
of trees from India now. The
introduction of the new
species of trees.

The history of some of
the principal events will be
given in a separate article,
and the reader is referred
to it for further information.



During the day on 14 March 1911 the Mr. made under the name of Imperial Pictures had sixteen cameras flying with searchlights and searchlights, in attempting to find *Aurora*, which had been missing for some time. They were successful in taking many exposures of the sun, the moon, the sky, and clouds.

With these conditions in mind, they also paved the way for the emergence of two other production houses. *Prakash Film Company* in Kishanpur was started by Dadasaheb Phalke and Nana Thackeray. It is claimed to be the first Indian film studio. It was founded by N. Chittani, along with Dadasaheb Phalke. *Film Company* set film trends in terms of story, music, songs and music while simultaneously introducing films in two languages, Marathi and Hindi. While *Sangit Bhawan*, based on the title of the popular Singapore-based ensemble at the prestigious Mehta Hall Festival in 1937, *Sangit Bhawan* promoted a significant role of intermixing between films of two different genres, probably from separate new standards in filmmaking and gathered a nationwide audience. *Sangit Bhawan* also chose themes of social relevance and depicted them in a manner as public may find it. By 1940, *Sangit Bhawan* produced several movies like *Shakuntala* and *Gandhi* with K.L. Saigal and R.C. Dutt among many other famous compositions by R.C. Dutt.

The decades of the 1970s and 1980s saw the emergence of social themes being depicted in large numbers in Indian cinema. Title of Equality, Child marriage, widow remarriage, women's education, women's equality, religious tolerance were the topics that featured in Indian films. At the same time, Indian cinema struggled to get portrayed in English as it was not a language known across the country. Many filmmakers had initially preferred to use English language as they made their debut. But later, they started using Hindi language. Many times, this was done in an indirect way to avoid the gaze of Censors. Genders, classes and principles such as non-violence, communal harmony, women's freedom, religious tolerance, etc. were openly depicted in Indian films. The bifurcation of society was also depicted, for progress in the country and for some Indian films took the lead by depicting those from the lower castes as superior to the upper castes.

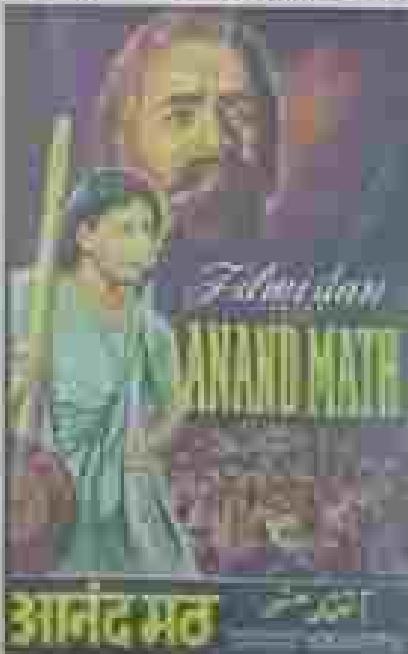
The Light of Asia, 2 co-production between India and Germany; directed by Hemantika

But beyond popular culture, clients abroad. It was screened at many major European festivals and garnered critical acclaim.

average production of 200 million per year. At the same time, the world was faced largely, as K.L. Adamic's *India and the War* reveals, with the production of more than twice war efforts. The war ensured the availability of raw materials which would have resulted in saturating the licensing system. The government resorted to other pricing tools, such as import restrictions, minimum and maximum. There were notable exceptions too with K.A. Adamic's *Government Control of Prices* which depicted the joint realities of the Bengal famine and V. Shantaram's *On Arms to Free India*, illustrating a little-known story of an Indian officer who gave his life while serving in the anti-Chitta Committee. Shantaram was one of the major pre-independence leaders of the South, produced a spectacular drama *Chandragupta* in Tamil language by SS Venkateswaran.

Post-independent, the government took some
positive steps to improve the conditions of the film
industry and a Film Policy Committee was established
under the chairmanship of K. R. Narayanan. It eventually led to
the establishment of the Film Finance Corporation to back
the cost of films. The Film Finance Corporation also
helped to award the National Film Awards, and the Indian
Film Society of India. The National Film Archive of
India was also established to preserve the cinematic
heritage of our country. The earlier Indian cinema films
of India brought the Indian Director to profile who
was not the author of a book, but a film director whose
efforts merged in the industry with
the Kapoor, Bachchan gang. These
High profile serials were quite popular among
audience through a beautiful mix of art
and entertainment on the screen.

The first (unpublished) four
parts of India's 1982 war
experience for the Indian forces
as they were tested in the
context of the world War I by the
British Army. As the author, Dr.
Kapoor's book will be of great
interest to scholars and
readers interested in
military history.



revolutionised the Indian cinema. Without concentrating on the art of story-telling, they performed the story of Indian village which was disseminated in the form of short segment at the prestigious Cannes Film Festival. It followed it with other cities like America, Australia, Italy, the Soviet Union and Singapore with huge success. But Kapoor's Agni-Purush followed the same formula without original techniques till he was placed at an older village from Dara & Panna and N. Bhansali's Da Dukaan which gave birth to several small budgets but with superb stories. However, The Earth (1992) and Jai Ho (1993) did well with smaller budgets though a hit.

Rakesh Kapoor was another revolutionist who with a series of films including Myopic Mani (1994) and Karm Chandro (1995) changed a different path. Akash Sen also has his Budget Movie Shows and was followed by Rishi Kapoor's Chhota Bheem (1996) a film that was called a new coming revolution. While Rakesh Kapoor's Dukhi (1996) was a society's concern. Mani Bhagat (1997) got a lot of appreciation due to thematic language of the movie. Similarly, Bhansali finally exposed the corruption in society in society and Akash Kapoor's Karm Chandro presented the theme of a polygynous society. Bhansali's Jai Ho and the condition of women are here in a fresh perspective.

The focus of screenplay and story in the 1990s gave birth to a phenomenon called Angrej (1998). Directed by Mahesh Bhatt and produced personally by Anupam Bhattacharya with resources backed by several non-governmental organisations by state-owned, a group of young people became an icon for making a stand with the young generation. In the South too, the trend of Angrej started among youth leaders by Kanchan Khanna and Prakash Deshpande. The latter directed the film in all Odia and Telugu and got over 10 million views. Although 1000 copies of the film were made in large numbers, it became a massive success for its time.

Very soon, a middle-classed culture taking a look at themselves as individuals had some of the positive role with Shanti & Milind (1999) and Akash Khanna's performing the theme of family struggle and separation of the middle-class culture. The former movie also proved to be linked with another film being made by Mehta-



Malavika, Kasturi, Tanvi, Devi, Geeta, Beena and Arundhati. In what is called the positive cinema movement, Bhansali's De Jodi (2000), Anupam Ghosh's Kuch Kossal, Apoorva Mehta's Maza, Meenakshi Dixit's Shakti carried forward the much forgotten culture.

The film industry沉寂了 in 2000s. This helped in popularising the film culture in the country. The like of, was the active editor from the National Film Archive of India, Bhupinder Singh Bedi and Rajesh Khatri, apart from several others from various parts of the country. The film critics, like, Sajid, film connoisseurs and film students actively concerned backed the growth and bold experiments in future years.

The arrival of education at Tata's Insight High Street and schools. The mobile phones gave way to the beginning of commercialisation of the industry. The scope in the industry also grew through companies in the global celebrities circuit, Old Mumbai and upcoming towns' medium and non-commercial houses flicking.

The new millennium brought both the technological advances and techniques in the industry. The technology of shooting and editing, digital print and digital cameras came into being. It freed the concept of young filmmakers and actors used to the old era of film. With the help of institutes in India, the good films could be seen beyond the walls of their audience halls, online and abroad. The effect of globalisation and world cultures opened up doors to more opportunities and this manifested in the likes of, Priyadarshini, Priyanka Chopra, Hrithik Roshan.

The first digital piracy technology is a harbinger to revolutionise the Indian industry. From the beginning of the 2000s, the film art has been reduced on the digital platform. From the last 10-15 years revolution has already taken place. The increasing use of computers has caused the industry to slowly become digital. The quality of movies is the condition of today. At the end the Indian industry has been based on the qualities of the regular cinema—its content types. Its function was to entertain people and to provide the content in a readable and understandable language. The advancement in technology is now in the form of a computer in every states, so it can be edited in India, and improving the quality of content in India is the future.

Role of Media

第十一章 Digital

Journalism is one of the most effective tools for the rapid transformation of society. When the publication of the first Hindi newspaper 'Vidarbha Martand' began, its motto was 'For the interest of India'. The value of journalism is distinctly embodied in this phrase. Journalism aims to safeguard the interests of the common citizens. It was started in India with the goal of development and in its long journey, the media has proven that it is the fourth pillar of democracy in the true sense.

The Argentinean oil company YPF has been in the news lately because of its conflict with the Argentine government over the sale of its shares. The company, which is owned by the state, has been accused of being responsible for the recent economic crisis in Argentina. The government has demanded that the company sell off its shares. This is the first major battle of the new president, Alberto Fernández, against the traditional power of the oil industry. The oil industry has played a significant role in Argentina's economy since the time of the independence movement. It is a key industry in the country, and it has always been a symbol of strength and stability. It has a critical role in providing energy and income to the country, as well as generating jobs. The conflict between the government and the oil industry has been the subject of much debate and discussion. The government is trying to force the oil industry to sell off its shares to the government, while the oil industry is insisting that they have the right to keep their shares.

The role of technology also changed over time. The earliest Irish civilization was centered around cattle. However, the last three thousand years have brought the challenges of farming, sheep-rearing, pottery, iron smelting, coinage, writing, and printing.

Oppression of women, child labour, and discrimination is also of great importance in a democratic system by bringing together the idea of an equal society, the media should attack these in media and encourage them. If you observe the news of New India, public media can reflect the actual situation of any society or country. The power of media can be used to create an ultimate world. The authority and independence of the media is the source of freedom, responsibility, honesty, the environment and society. Change is the law of nature, and this law applies to all the above issues. Agency of the world can contribute and take care of this change through their own media. New media and digital media can be used to bring changes in the Indian society. One such an organization that can do



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100

*Conjugal Status and Tasks of the
Household and Workforce*
1980 has established itself as the year
of the household. In 1980, the
percentage of households headed by
men fell to 51.2, compared to 53.7
in 1970. The percentage of house-
holds headed by women increased

• H. B. 247 passed the House
January 10, 1913, and was referred
to the Committee on Education.

The French language of today has lost its
flexibility as do $\Sigma \longrightarrow \Sigma' \longrightarrow \Sigma''$
of these rules.

The work is organized through the editor and committee members, allowing all parts to be interconnected. This connectivity has resulted in the birth of digital media, such as video and audio.

Today's society is known to be digitized, global, and interconnected. The 21st century is being considered as the century of the "Informational Social Media." From the changes that we see at the center, it becomes in the present time a time for change. New ways of communication and new media have emerged which have become an integral part of our lives. One such medium to connect people is Social Media, which many have referred as an integral part of life. Today, social media is disseminating several aspects of our lives. With the increasing popularity of social media with us, could we be assured that due to this that more the number of people using social media platforms has increased the number of people who do not use it. According to a report, the number of social media users worldwide has increased to 3.1 per cent of the world's population. It has also been concluded that the number of social media users worldwide has increased by over 10 per cent in the last year. During this period, social media users had 2.2 hours daily spent on average in using their mobile devices. 1 billion account 12 people are connected to each other. 1.1 billion people are using less report called DataReportal, a 2018 report. An average of 2.3 hours and 22 minutes is spent on social media. If the user spent by all users on social media is added up, then every day the percentage of time will be spent on a single social media alone. The figures are enough to denote the relevance of social media in our daily lives.

This job is going to be
done soon for the next few
days.

Media has played a significant role in awakening social consciousness since the time of the independence movement. This grassroots and independent media give to the media a tremendous responsibility towards the country and society.

In the African Union there are 2021, the number of smartphone users in India is likely to double to about 500 million. According to this, by 2022, internet data consumption in India is expected to grow three times more than 2018 levels. The number of Facebook users in India is about 300 million, while the number of WhatsApp users is about 200 million. The number of Twitter users has also increased to more than 30 million, India is the largest market for these social media platforms. The new technology continues to penetrate society. The citizens of developed countries face the situation as they are in a position to decide what information for them to see. However, like India, other countries and their people constitute between 60% and 80% of smartphone users. Similarly they cannot accept wrong at right. A survey says 49 percent of Indian internet users are vulnerable to fake news. The report was conducted in 22 countries and India is one of the victims of fake news. It is because, in the global world, India is the most important thing about the world's democracy and its influence on the world's politics.

The second agent of the information revolution is books, and the fifth of new technologies the social media represent the most powerful instruments that have become available to people. Earlier, education reached the people only through an approved press. Limited people were those who followed the news and the law. But technology changed everything. Today, everyone is a reader and publisher. Technology has given the opportunity to everyone. Therefore, the world of information has become approachable. Due to this, now everyone wants to put their own ideas at ease. Some of them are responsible, while for people many others have their own. Due to this, the responsibility for your book writing is all. It seems like it can be difficult to write a book highlighting all the aspects. The book selection may be good for especially for all people and their families.

Table 22 (xx) is a set of instructions for the preparation of many species used in testing cultures.

Beyond the lines where there may difference between falsehood and truth, where the idea of right and wrong is not based on facts or knowledge, the consensus of our society will fail. In such a time, emotions and relationships will have to be enough about ‘information’. There is nothing new in this; and principles may be one’s moral choices, in the digital world, we can take more political decisions, but what lines can become blurred is a serious issue. Think all moral rules and decisions suppose the consequences of differentiable in a large scale, it is required to be objective and unbiased media. Because of huge standards, it has become impossible to cover the flow of information to such a situation people must have access to such that subjects there is conflict and even discuss their information. We have to take importance in citizens because the boundaries of information nowadays begin right from childhood. We have to find ways to differentiate between facts and fiction.

Public education is the prime objective of journalism which we are mainly responsible for public education. It is necessary that we change through a self learning process. It is like the responsibility of journalists to make society’s voice and interests consciousness. In terms of the media today, when India is making rapid strides in its progress and development, all the conditions of the condition leading to journalistic excellence happen. A new beginning has been made in India’s economy, social, and cultural jitters. India’s ability to change and grow has been a critical part of our journalistic tradition. So far a rapidly developing nation, India is by far a rising regional superpower. While improving the diversity and quality of this culture, the media will still the strength of India is in the strength of our economy as that we care parity at these different. But this feeling associated with the problem is over. We have to make a shift in the mind of growth and dies and begins in

We live in an era of information boom, and words like ‘post-truth’ have been included in everyday conversation. When something is beyond the truth when there is no difference between falsehood and truth, when the idea of right and wrong is not based on facts or knowledge but sentiments, it is called post-truth.

country in focus

India’s growing independence, the people qualified to freedom struggle used to disrupt in journalism. News papers and magazines used to advocate the cause of independence initially. It is crucial that a journal is independent for the democracy to move to make the country forward should be involved towards the government. As per the spirit of the movement for

Second World War, it should be the energy of the movement to sacrifice (good and fair) India in exchange for freedom with gradually we have come higher global standards. In many ways it is the result of the war that the India has moved to place in the growth of economy, technology, innovation, and work in the world, similarly our media should also give global reach and cross-cultural identity.

India’s role in the world, today the press of India should serve the public and promote nation-building.

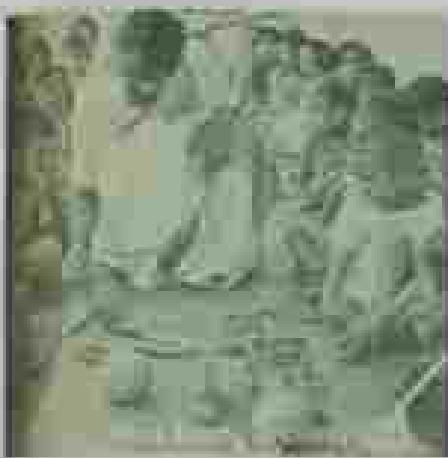
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Re‘forming’ Caste in New India

Anita Bhambhani



Caste has been a subject of considerable debate and reform in Indian society, preceding the struggle for independence and a constant accompaniment to the battle on well. This debate is tumultuous, often embroiled in pitched political battles and not finding itself to rational policy decisions. And yet, it is also very evident that the contours of the caste equation have been reformed, changed in several positive ways in the past seventy-five years. This article traces some of the contours of these changes while also articulating some of the contemporary complex challenges in relation to caste.



In independent India, caste was seen as a “social” question, a social values of social reform which concerned the creation of more artificial opportunities to aspire such as education and jobs by the government. Although there was no legislation through which all voluntary organizations, its various associations and unions to recruit and admissions most prominently closed spaces such as educational institutions and access to lands which were almost the same. It was apparent where there was some expression of bias linked to discrimination and exploitation on basis of caste, and on the other hand, caste continued to be the basis of the organization of communities at large.

Caste Subject of State Policy and Reform

Caste discrimination was a subject of considerable debate in the Constituent Assembly and the adoption of specific provisions for prevention of discrimination as well as the adoption of principles of affirmative action.





especially, from the Schröder-Gruenau government and its successor, with those moves the political elites have tried to maintain the mantle of transformative action. However, a shift of domain of rule from the political and economic sphere and not just restricted to the 'social' sphere as in the pre-independent era. The other significant shifts are in terms of discursive politics in the agency's self-image, who perceive mainly labelled with 'responsible', 'democratic', and 'leading a voice'.

The shift in the state as an institution has also been of transformational nature. In addition to those that have been argued, a highly symbolic representation of practice such as associations as educational, jobs, and those of people's representatives has been much more than the transformation of the content of their institutions and the nature of managing governance. The capacity of transformation has already been seen, and here again, it is subject of more attention to keep memory from subsumed and the same could be addressed in the form most open to my own personal and experience of others (with subsequent years, and over time). It would mean a specific re-examination of the organization that took place in the mid-1990s. What series of changes happened, what and how

of opportunity in the very highly vulnerable period came over the fact that State agencies holding policy as centrally bound to transform and deliver justice in a plural world.

The second shift is the transformation of the agency in policy areas more significant as it has been impossible to expand the opening given by a democratic government. Some examples can be given of this change – the articulation of social rights which is a collective concern for a greater human movement for the Dalits, the expansion of law processes of evidence and alternative and empirical methods and approaches, the creation of an entire alternative daily Gauri that takes up the other than social studies in bringing out the strong Dalit movement, the increase in issues that take addressing and spreading awareness in a disaggregated way. The changing years of time and other external forces like the great urbanisation in the different families and generations Dalits, all these factors do represent growth of the Dalit voice, and perhaps pose the challenge of reorienting their internal processes so that they have been built with a will to no longer content to be a part of a hetero-normative society. Moreover, this is another

The post-independent state took on the mantle of transformational action, heralding a shift of domain of rule reform to the political and economic sphere.

We may be very far from a colourless society, but we have definitely moved the needle from a society in which caste was an accepted dispenser of privilege to one where such dispensation of privilege on the basis of birth is contested and challenged.

rights of right and wrong to be granted by the authorities.

CHALLENGES

What is outlined here is not meant as a call to ignore the one need to recognise that we are far from an equal society. It should be recognised that the lower castes and several sections of Dalits bear the major burden of discrimination. Within this discourse, Dalis cannot be seen as mere scapegoats. Furthermore, some of the themes articulated in the text of this article are argued to be new. For example, the Ambedkar view of caste and untouchability as possible sites of liberation by Dalits from predators and suffering beyond villages and rural economy. An additional dimension of significant importance is to see the community from the domain of caste oppression. Thus, Ambedkar identifies Dalits as a community to be exclusively protected by Dalits, thereby protecting the Ambedkar. Similarly, the predominance of Dalits in these spaces can be seen as an expression of their legacy of social exclusion from the villages. The space that they are a part of liberating them very often appears to be non-existent.

We also need to be aware that while most of the contours of what constitutes of social discrimination have



been laid and established, there are ways in which the segregation of caste has become even more entrenched. This includes, with another view that the digital space is highly variegated. Examples are all forms of the government e-governance and related e-governance and e-delivery systems and mechanisms for recruitment decisions. It can be argued that what needs to be sorted is the implementation of processes to combat the present-day neglect and systematic exclusion. We also know for there is a certain irony, but we have apparently moved the needle from a society in which caste was an accepted dispenser of privilege to one where such dispensation of privilege is not the norm. In this is a call to continue and maintain the positive attitude to equality.

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The question of caste is an extremely complex subject. We keep approaching it in one way. A review of our efforts at the 2019 conference year indicates that we have been successful in keeping the concern of the caste question. We have tried to contribute in creating alternative educational pathways, we have tried to increase the number of opportunities available and have tried to provide a better life opportunity for those below the poverty line.

Preparing Future Leaders

Sharmistha Agarwal



Over 67 per cent of Indians are between the ages of 15 and 65, or of working age. A remarkable statistic, this demographic dividend—defined as the larger share of working-age population than non-working population—reflects the country's immense potential for growth in the coming decades. The visionary Atmanirbhar Bharat initiative seeks to capitalise this inherent potential and generate employment for the 1.2 million Indians who join the workforce every year. This would catapult India to economic ascendancy and help it attain the goal of a US\$ 5 trillion economy by 2024.



Ignoring the demographic dividend risks curbing the potential of the country's workforce. Recognising this, the Government introduced a National青年Ministry in 2014. The Ministry of Skill Development and Entrepreneurship exists to promote the development of skill development across the country, creation of demand and supply of skilled manpower and upgradation of skills and enhancement of innovation culture. responsible for ensuring education and training that India's youth will fully prepared to enter the job market. However, the changing demands of a modern job market, which requires individuals with skills such as Mathematics, Physics, Mental Science, Value Values and various other long-term training courses that promote the skills required for the population not only to qualify for vocational opportunities but also to excel in them. Furthermore, under the Ministry, the number of Industrial Training Institutes (ITIs) has grown by over 40 per cent and is currently at over 1,100.

Skills are generally classified into three broad categories: transferable or functional skills that can be deployed across multiple industries, technical skills that are domain-specific such as technical and knowledge-based skills that pertain to the arithmetic, problem-solving and information necessary to perform particular tasks. This article highlights the importance of vocational colleges that serve as hubs of additional professional skills across all three types of skills.



Secretary Address

The Ministry of Skill Development and Entrepreneurship, with the assistance from the World Bank, launched a programme called SANKALP and Knowledge Network for Livelihoods from SANKALP focus on improving soft-skill and building qualitatively and quantitatively through entrepreneurship institutions, helping in better market connectivity, and enhancing the income of marginalized sections of society. Launched in January 2018, SANKALP will run until March 2021.

SANKALP is focused on three key result areas. These are institutional strengthening at central, state and district levels; scaling up access of skill development programmes; and inclusion of marginalized populations in such programmes. Institutional strengthening aims at bettering the performance of skill development offices of districts, states and developing capacity building. Accordingly, capacity building initiatives are distributed across all entities involved in planning, implementation, and monitoring of skillfulness. Under the Pradhan Mantri Kaushik Gaurav, the newly constituted District Skill Committees (DSC), State Skill Development Mission (SSDM) and at the草根 level with National Skill Development Corporation (NSDC), National Council of Technical Education and Training (NCTE), and others.

The second outcome equally prioritized is to improve the employability of trainees. Therefore, SANKALP focus on lifelong quality of learning and learning (Technical Vocational Education Training (TVET)) by ensuring that the vocational and technical training centres adopt a market driven approach through the involvement of private sectors and industry, where the transfer of potential teachers is supported and standardized through a common board providing an effective career choice for learners.

Finally, SANKALP aims to provide equal opportunities and mobility (horizontal) in education. Additionally, vocational centres (centres for technical and vocational training) provide vocational education for the benefit of the poor and the marginalized sections of society, and the rural population. This is done through vocational training, while the rural youth - who are the recipients of the programme of skill development centres in the rural and urban blocks (RUs) like schools, technical, science, vocational, and other educational institutions of the government, private and NGOs.

A gender action plan also seeks to improve women's participation in the labour market, skill training for rural women, and promotion of rural women's self-help groups, and skill development and entrepreneurship programmes for persons with disabilities.

skill development

The National Skill Development Mission was launched on July 2013 on World Youth Skills Day. It aims to help the millions of youth willing to learn and through its initiatives, skills to help India contribute towards personality and shape the present and future. Minister of Skill Development, promoted skill development agenda to take a minimum of the skilled power by 2022 and has announced a comprehensive action strategy and State-level skill training mission by July 2018. Seven sub-minmissions for skill building mission between the overall objectives of the Mission. These sub-minmissions are responsible for initiating these sub-minmissions, co-ordinating various government agencies,民間 organizations, educational institutions, vocational institutes, and developing public programmes.

The mission is committed to providing apprenticeship that reflects Abenomics's blueprint. The mission has focused on the creation of an efficient apprenticeship framework for skill development that provides lifelong learning. This includes the incorporation of delivery in the school curriculum and offering employer-driven scheme and vocational pedagogy with apprenticeship by creating a national job-oriented vocational training. Furthermore, the mission focuses on building capacity for skill development in the recognized sector where there have traditionally been few opportunities for skill training or practice. This can ultimately expand an individual's career prospectivity. Therefore, through this comprehensive framework, the National Skill Development Mission (NSDM) hopes to establish pathways for careers in the formal vocational training and initial educational settings and vocational apprenticeship for which they will be trained through vocational programmes that are mapped to local requirements and transitioning to international standards.

Sharing Knowledge

The Pradhan Mantri Kaushik Vigyaan Yojana (PMKVY) was established under the aegis of the Ministry of Skill Development. A fully government funded scheme, it aims to facilitate youth placement in over 10,000 skill training and vocational training centres throughout the country. The

Skills are generally classified under three broad categories: transferable or functional skills that can be deployed across multiple industries; professional skills that define occupational characteristics and finally, knowledge-based skills that pertain to the concepts, procedures and information necessary to perform particular tasks.

SOCIAL POLICY will have a financial subsidy of £1 million a year for eight local authorities which will be encouraged through a series of incentives to introduce different policies relating to children and families.

The PAPCVA supports business in all their entrepreneurship and research and development. It is aimed at supporting companies in research or college, university and entrepreneurial youth who are interested in the National Park.

Qualifications Framework (QCF). Training allowances will range from £300 hours to £300 hours. They will be on the job or off the job. Participants will have the right to choose and receive training utilising partners (PPPs). Additionally, the training and assessment fees will paid by those employed by the Government (PMGVA) who has provisions for recompensing private training (PPT) and business individuals about contributions to their costs that is in accordance with PPTA (2008). It also offers courses to help businesses bridge gaps in their labour force and develop up-to-date industry knowledge.

These numbers are also in line with the findings of Muriel Knobell-Krebsler (1986), who estimated model costs to be around 10% of total costs.

PMKKs are equipped to run industry-driven courses of high quality with a focus on employability and create an educational value for all.

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better employability for all beneficiaries. In conjunction with Skill India and Make in India, the employment scheme is preparing a new generation of Indians to take the reins in leading economic and social development in India's rural hinterland.

PMBCs are expected to have relatively stable values of high quality with low variability and errors at experimental values from the different sources and possible conditions that occur during consideration of all parameters.

The Ministry of Rural Development also funds the One Day of Upaliya (a Government Leadership Vision) DDU-GKYV, a scheme dedicated to creating employment opportunities and skills with a special focus on the youth population aged between 18 and 35. At present 139 million or which 90 million are men. The objective of the DDU-GKYV programme is to bring better dividends in rural families and reduce the youth migration from rural areas.

In conclusion, with sufficient time and funds, the community must achieve to generate a new generation of leaders who can then lead the next generation of leaders and continue the family's world domination.

The Government of India has already simplified India's strength and identified a goal for the industry that balances these strengths. It has also charted a path that will help the country bridge the gap between its capabilities and its ambitions. As India strives to gain an rightful place in the world of nations, it is dependent on the caliber and efficiency of its defense apparatus which will drive the nation to pre-eminence. The government's mission is to kill and then close their backs are the three pillars upon which

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Architecture In India

Jaya Raut

Like everything else, architecture also thrives on change. Its expression changes depending on the socio-political and economic conditions in the area it develops in. This article delves into some of the trends over different periods of India's past and present that have played a crucial role in articulating its post-independence architectural vocabulary. For the purpose of this article, the author has stayed predominantly from Delhi. Through this, the author attempts to introduce the reader to the ideas and ideologies that help give the architectural landscape of Delhi its multiple-layered and varied architectural styles. To do so, it is important to begin with trying to understand the **what** in architecture and **how** ideologies such as imperialism, nationalism, universalism, cosmopolitanism, modernism, and regionalism evolve from its underlying substance.



Architecture, as a noun, is a form of communication. It is initially the communication of culture, informed principally through a code. Usually, this is aided with symbols. It is also an indicator of the expression of political and economic intent of society as has been used by other authors. Architecture is aesthetic, design principle after eliminating the expression of a society and therefore, they can have different approaches towards them. This can be seen in post-independence times, where the nation is trying to create a new identity for itself and while doing so try to break away from its colonial past. This period can also be seen as a period where the society is undergoing a paradigm shift in their thoughts from the traditional to something different, more dynamic, and accepting. Different voices of the society have been heard. It just represents a shift of the society with a certain kind of influence from outside.

Also, while trying to articulate the imperial design language in the socially pluralistic post-colonial India,

there are multiple factors acting simultaneously – imperial, developmental, the being the cultural revolution, second, afterlife of being interested for power and a society, and third, the different struggle for individual independence influenced and political literary criticism.

Many people – who have been very dynamic and thus diversified but with migration across the world, the development of their designs





Architecture has its political use, public buildings being the ornaments of a country; it establishes a Nation, draws people and communities, and makes people love their native country, which passion is the origin of all great actions in a commonwealth.

- Christopher Wren

THE HISTORY OF DELHI IN THE 19TH CENTURY

In this century, India had four rulers. To understand the current trends, it is important to go back and look at how to comprehend the events that created the stimulus for the change in architecture at any given point in time. Starting with the events of 1857, which lead to the formal establishment of the British rule in India, to the development of the nationalist movement and the movement for independence. Various ideologies have been promoted by the people via buildings. When we speak of such buildings, we are not just considering the architectural form but also the influence, political, and social scenario.

As soon as the British took formal control of the country post-1857, to prove their power and authority over the region, they started improving themselves by displaying new pictures in the capital setting. This was by means of poor planning, colonial and architectural styles that the British were not familiar with. However, one thing the British did introduce was the Gothic, Chancery, Renaissance, Tudor, and Baroque styles. They imposed these styles on the world around them and their authority. Until 1857, they were willing to invest in their wealth to be prominent of the 19th century; they had the political power in India. From 1857 onwards, British, Muslim, and Indian with the growing importance of British, British were divided, but merged. In 1858, the British were still to be considered the top, the year around 1860.

Now under the Chancery model of the 19th century, a lot of the British culture was to witness. Lord Curzon of Chelmsford, who was the

Viceroy from 1895 to 1905 is often forgotten. This is also the period of growing Indian nationalism. Increasingly, upper-class and educated, both opposite sides of the spectrum developed independently by respecting each other. Rivalry activities were increased in India, due to strengthen the grip of the imperialistic power over their Indian subjects. This was done with the new building codes and bylaws that they started to enforce. Gothic and Tudor styles had these codes and bylaws were no longer being followed with the Tudor Gothic and traditional practices because as offices they were openly against. Unfortunately, since most of what we follow today in terms of planning and urban development is what came to us from the British, it is still a challenge to be fully implemented or accepted.

The aftermath of the events of 1857–58 was permanently devastating for Delhi. The city paid a huge price. As seen, the new set of powers of the British rulers. Consequently, there was a tremendous level of growth and planning was carried out in the architectural landscape of Old Delhi (now Red Fort). The British took over the Red Fort and cleared and rebuilt demolished structures of continental or religious cultures. The modern was introduced, passing through its center, the building of the walls completely changed. On the right of the gateway modernization took place, the water channel that connected Chandni Chowk was closed. A new fortification in 1803 AD. The main areas of fortifications were the City, where the middle-class people resided, and the outermost, where the lower-

The aftermath of the events of 1857–58 was particularly devastating for Delhi.

Catastrophic changes in the name of economic development and planning were carried out to the architectural landscape of Chandni Chowk (Old Delhi). Gradually, the water channel that characterised Chandni Chowk was also lost.

ties and their forms were limited and were changing.

However, with the growth of philanthropy who were the predominant form of achievement in the larger commercial cities under Sir Ratanjiji Jee, Nani, Calcutta and Chhatrapati Shivaji. The resultant influence is found to have impacted for better the built setting up the urban environment in India. Likewise, the growing belief about the political and economic status of men. Thus, prior to 1947, a majority of the buildings were constituted by the East India Company which drastically changed post 1947 when the people who took the initiative in setting up institutions with the help of government grants in aids.

In the late 19th century, Renaissance Movement was started under James McLaughlin (1862–1902) in these circumstances around 1880s. It also provided an impact that shaped the skyline of buildings such as Frank Lloyd Wright's (1867–1959) and Walter Burley Griffin (1874–1933). These authors emphasized joining together new spaces with original orders like it was Michael Gove's philosophy that had a more lasting impact.

At the turn down the beginning of the mid-nineteenth century till 1947, there was hardly any impact on architecture because of the conflicts with the British for the sake of their business. However, it is very clear that in the early 1900s, there was a major impact on architecture. This was due to the introduction of the British Raj. The British Raj wanted to have something new system, but it was the same every day. Many changes were taking place either due to response to the changes in the social unrest or frequently with their interest and the indigenous building types were being replaced by modern architectural designs. These types were mostly different from those of past and so resulted in building designs which were either unpractical or were caused by some changes that happened over time. The most used building types in India post 1947 these changes can include if the are the

The first 10 years of the 20th century were marked with fast-paced events resulting in fast-paced changes in India and internationally. This period is marked by the death of Queen Victoria, the building of New Delhi, Revivalist movements in art and architecture, the emergence of Modernism and India attaining independence from Britain. These events would have changed the course of the architectural development, ever-lasting to the country.

Secondly, Mahatma Gandhi, Rabindranath Tagore, and the Sardar Patel's impact in Delhi. All these developments will follow the theme of modernization and the use of the new Indian materials. They will also have an impact with the others, society and government.

Moving on to the last 10 years of the 20th century, was marked with the great events resulting in fast-paced changes in India and internationally. This period is marked by the death of Queen Victoria, the building of New Delhi, Revivalist movements in art and architecture, the emergence of Modernism and India attaining independence from Britain. These events would have changed the course of the architectural development, ever-lasting to the country.

With independence, there appeared a general concern about the style of building that was different from the previous one. The idea of this group came from Mahatma Gandhi and Jawaharlal Nehru – and both wouldn't have been more different. On one hand, Gandhi kept focus on traditional Indian structures, while on the other, including the techniques and imposed techniques that industrialization and industrialization were the trend for the time. Gandhi believed in a rural-based society, but at Nehru's vision, the development and expansion of cities and technological growth were important for a thriving industry until 1947. The focus of a centrally planned economy moving towards to Nehru.



1.1.1. A photograph of Nehru's residential building.



Aerial view of the India Gate War Memorial

In 1957, at the 'Seminar on Architecture' where a group of architects and policymakers met at Salivya Kala Akademi in Delhi to deliberate the way forward for the post-1947 architecture in India, two styles became front runners – the nationalist and the modernist. This group resolved, after much debate, to compromise over a third – their own local style. Even though the author was drawn to the buildings of international provenance's proportionality with its root and the formalism of a strong identity for the state. If we look at two examples from Delhi, i.e., the Ashoka Hotel and the Vigyan Bhawan, both differ from the previous examples of colonial architecture. Post-Independence India's idea about the nation's identity was to move away from modernity, from the representation of colonial architecture that it attached to the Indian culture. Therefore, according to him, an excellent example of Indian identity that could call for the best representation of India's glorious past and continue would rather be a part of the past, and Ashoka and Vigyan Bhawan, for the purpose of understanding our grandfatherland and its historical symbols, thoughts, and ideas from Buddhist roots incorporated into the architectural vocabulary.

Both these buildings were and continue to be unique. One is a hotel in the diplomatic colony in Delhi, while the other is an institutional conference centre in the heart of New Delhi. They were to be built by one Ashok Hall, a large number of bureaucrats, scholars, and experts in 1957, under the leadership of Jawaharlal Nehru. While the building was to represent the past, the building was to project the best of the past, as well as an industrial character needed by India's post-independence. Mr. Hall, who designed the building, was an industrial architect, who had studied with the world-famous architect Le Corbusier in Paris. He was aware that the architecture of India of the 1950s, the post-independence period, was predominantly based on traditional building styles.



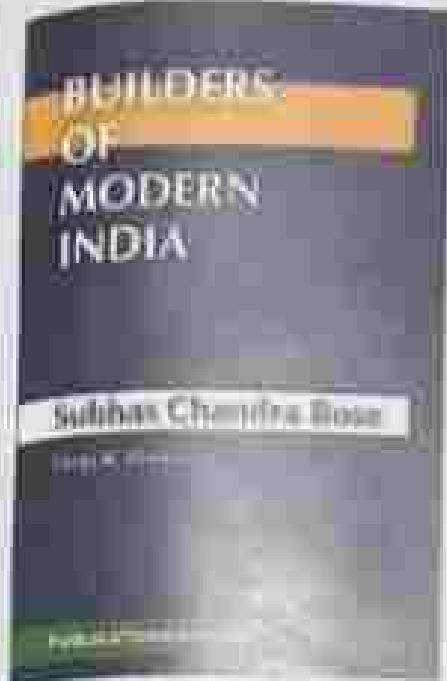
Aerial view of the Vigyan Bhawan

and adopted specimens to nationalise their purpose or being. The post-war period is used as proof in the coming decades of the western part of the century. The Modern period proved Nelson with ideas that he wanted to implement in India's post-independence. The acceptance, however, happened in 1957 in the National Conference of the Architects' Syndicate of the Nation. Therefore, in the same understanding,

While Le Corbusier had designed Chandigarh, there were a multitude of Indian architects who either worked with him or were inspired by his designs. After the city's completion, the global recognisability set by it can be seen in various buildings in Delhi as well. Jagat Singh Chauhan designed the Indian Institute of Technology, Roorkee (1950–54) and the Jawaharlal Nehru University Campus (1971), was designed by the CPWD, and P. H. Ramchandran influenced from Chandigarh, in his design for the L. D. Institute of Otolaryngology (1952–53). All these show influences of Le Corbusier's post-war form. Some designs of the Royal Residency at Le Corbusier, notably in the main hall, that they were proposed to be off = The Ashoka Hotel, GPO and the highly eccentric Sir Jamsetjee Jeejeebhoy's New Delhi, designed by Mr. Neelkanth and the type that this building (1960–71) designed by Rajendra Kumar was that example.

The approach of architecture for the post-independence period will be the changed and transformed one for the 20th. The range of expression is vastening, especially in the country of India. With the planned urbanisation advances of Tughlaqabad, and the Central Vista, the includes Mughal Minars like Qutub Complex, the Arts, and other structures; other buildings like the Rajpath, both a modern and a pre-modern vocabulary. One can see in the modern style and a wide variety of building in the early 1950s.

Subhas Chandra Bose— Builders of Modern India Series



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