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Indian Economy & Policy

**Master of Business Administration (MBA)
Semester - 2**



SELF LEARNING MATERIAL



ODL/MSMSR/MBA/204

INDIAN ECONOMY & POLICY

INDIAN ECONOMY & POLICY

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MODULE INTRODUCTION

Course has five Modules. Under this theme we have covered the following topics:

Module 1 Features and problems of Indian Economy

Module 2 Issues in Agriculture sector in India

Module 3 Economic planning in India

Module 4 Monetary and Fiscal Policy in India

Module 5 Post-1991 Economic Reforms

These themes are dealt with through the introduction of students to the foundational concepts and practices of effective management. The structure of the MODULES includes these skills, along with practical questions and MCQs. The MCQs are designed to help you think about the topic of the particular MODULE.

We suggest that you complete all the activities in the modules, even those that you find relatively easy. This will reinforce your earlier learning.

We hope you enjoy the MODULE.

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MODULE I FEATURES AND PROBLEMS OF INDIAN ECONOMY

Structure

Unit 1 Features of Indian Economy, India as a developing economy, Demographic features

Unit 2 Human Development (HDI), Problems of Poverty, Unemployment, Inflation, income inequality

1.0 OBJECTIVES

By the end of this chapter, you should be able to:

- Familiarize with the important aspects of Indian economy.
- Discuss status of India as a developing economy.
- Discuss the demographic characteristics of India.
- Discuss what is meant by the Human Development Index (HDI).
- What are the major economic issues such as poverty, unemployment, inflation, and income distribution.
- Examine forms, causes, effects and solutions to poverty, unemployment, inflation, and income inequality.

UNIT 1 FEATURES OF INDIAN ECONOMY, INDIA AS A DEVELOPING ECONOMY, DEMOGRAPHIC FEATURES

1.1 Features Of Indian Economy

The Indian economy is a complex and vibrant system characterized by its history, policy regimes, demographic structure, and globalization. The paper examines ten important dimensions of the Indian economy, analysing in detail an issue and its relation to the growth and development of the country.

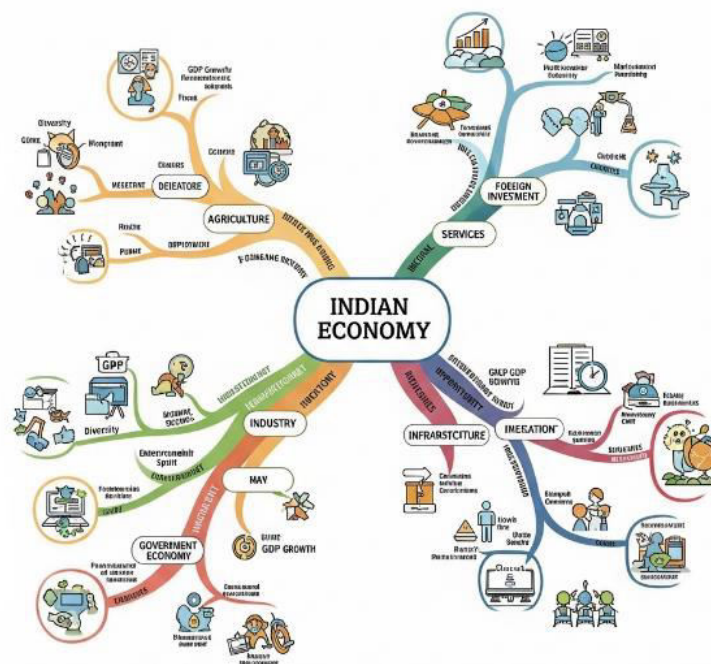


Figure 1.1: Indian Economy

1. Mixed Economy Framework

India follows a mixed economy model, integrating elements of both capitalism and socialism. This structure allows for government intervention in critical areas while

encouraging private enterprise in sectors conducive to competition and efficiency.
With India's adoption of planned economic development under the

Twin Five-Year Plans after independence laid the foundations of this system. Under a mixed economy, natural monopolies such as public infrastructure, healthcare and education are kept under check-given the forces of market failure that would take place if these sectors operate solely for profit. At the same time the existence of private enterprise encourages innovation, employment and development. The state dominates sectors such as defense, energy and transportation while the private sector flourishes in technology, finance and retail. However, the mixed economy model had its own downside as well, of which Indian society has not been free. Bureaucracy or red tapism and corruption have been the disease of public sector enterprises. And the private sector, however dynamic, has sometimes slammed into regulatory bottlenecks. Recent reforms - most notably those of the 1991 liberalization regime - have moved towards market oriented development, and has loosened gripe of the state on a many of the sectors. Opening the economy Disinvestment of PSUs and raising FDI caps in the core sectors show that India is slowly moving towards liberalizing its economic model. Mixed economy gives India economic resilience so that when there are crisis, the government can intervene and at the same time businesses can scale for growth." What remains to be a challenge is the balancing between regulation and liberalisation.

2. Predominance of the Service Sector

India's economy has developed over the years, making a shift from an agricultural country to a more service-based economy. Today the service sector is the biggest in the economy, and constitutes 55-60 percent of GDP. The rise in use has come as the result of developments in information technology, financial services, telecommunications and e-commerce. This rise of the service sector due to India's intense human capital - particularly IT and Software services. The outsourcing industry, led by companies such as TCS, Infosys, and Wipro, has made India a global hub for IT

and business process outsourcing (BPO). Similarly, India's banking and financial services industry has expanded due to reforms in digital banking and fintech innovations, such as the Unified Payments Interface (UPI).

But the predominance of services also presents some challenges. Services do not create mass employment for low-skilled workers as manufacturing does. This has created an environment in which growth in the economy does not automatically result in the large scale creation of jobs. In addition, the economy is susceptible to global downturns, such as pandemics, that impact service-based industries (the COVID-19 impact is known to have had a detrimental effect on the service industry). India has to have strong manufacturing to go with a strong service sector, for a sustainable growth. Projects like the “Make in India” campaign aim to increase industrial output and generate employment by using strengths in services.

3. Large and Diverse Workforce

With 500 million workers, India is home to one of the world's largest labor forces. Its host of industry sectors, types of employment and skills levels are highly varied. India has a young population and accordingly a demographic dividend, but the job situation is challenging. Unorganized sector employs approximately 90% of the labor force. Street vendors, daily-wage earners, and small business owners who don't have access to banking services, social benefits, and job security are in this category. Economic disparity is exacerbated by the continued underpayment and overworking of many, for the simple reason that there are no jobs for these people if they simply cannot be employed.

India has made significant advances in the skill development of the formal sector with measures such as Pradhan Mantri Kaushal Vikas Yojana (PMKVY) and Skill India. The programs are designed to impart new skills on workers by granting them vocational training to be hired in fields, such as manufacturing, information technology and healthcare. However, bridging the skill gap remains a challenge,

as many graduates lack industry-relevant expertise. India also requires policies that boost labour-intensive industries, formalise the informal sector and upgrade its education and vocational programmes, to fully exploit its labour potential. Generating more jobs in the formal sector will be crucial for sustainable growth and social justice.

4. Demographic Dividend and Urbanization

India's demographic dividend is a tremendous economic opportunity. It has a young population which hovers at around 28 years old – and can potentially become a driving force in the economic development of the nation. And with over 35% living in urban centers, urbanization is also accelerating and fueling growth in industry and services. But problems such as traffic, poor infrastructure and environmental decay have been a result of the rapid urbanization of the world. Cities are confronted with air pollution, a shortage of water, and a housing shortage. Sustainable urban planning and smart city initiatives are also important in providing accommodation for the increasing urban population.

5. Agricultural Dependence and Structural Challenges

Share of agriculture in india Agriculture has been the mainstay of the Indian economy adding 'lashes millions in terms of employment generation and rural livelihood. Although its contribution to the GDP has descended to about 16% - 18%, but it provides employment to about 42% of the working population. The sector has enduring issues like small and fragmented land holdings, excessive dependence on monsoon, lack of knowledge and resources, outdated farming techniques and price volatility. The Green Revolution of the 1960s made agricultural more productive, but today's challenges demand new answers. Climate change increased the susceptibility of Indian agriculture to droughts, floods and erratic weather behaviour. These days sustainable techniques -- precision agriculture, organic agriculture and the use of AI are essential.

The objectives of government programs like PM-KISAN, Pradhan Bima Yojana (PMFBY), and E-NAM (National Agriculture Market) are to modernize supply chains, increase farmers' income, and offer financial support. However, issues like low access to credit, inadequate storage facilities, and exploitation by intermediaries continue to plague the sector. Land reforms, investment in rural infrastructure, and agricultural diversification into high-value crops like horticulture and dairy products can enhance growth in this sector.

6. Industrial Growth and Manufacturing Initiatives

The industrial sector in India is the key sector of an economy, which adds to the GDP and also provides employment to a very large chunk of the population. It has transitioned from traditional industries such as textile and hand handicrafts to more contemporary sectors such as automobiles, electronics and pharmaceuticals. In 2014, PM launched Make in India campaign to increase manufacturing & decrease reliance on imports through FDI. In order to encourage local manufacturing, the Production-Linked Incentive (PLI) scheme also offers cash incentives to key sectors such as electronics, semiconductors and renewables. However, despite these initiatives, India still faces several industrial challenges. Regulation is cumbersome, not enough is spent on R&D and infrastructure is insufficient for manufacturing growth.

If the country is going to compete with international manufacturing powerhouses such as China and Vietnam, it needs to update its supply chain networks, logistics, and overall ease of doing business. To transform India's industrial landscape, investments in Industry 4.0 technologies, including automation, AI and Robotics, will be key. Policies of the government must be skill oriented, industrial clusters and innovation hubs to make the industry competitive in long term.

7. Financial Sector Development and Digital Economy

Fintech advancements, the emergence of digital payments, and banking sector reforms have all contributed to the financial sector's explosive growth in India in

recent years. India now ranks as the world's leader in financial technology thanks to the more than 400 million people who use digital payments. Important steps towards financial inclusion were taken in the form of the Goods and Services Tax (GST), the Jan Dhan Yojana, and demonetization (2016). Building on that, India now has one of the fastest growing cashless economies in the world due to they say the Unified Payments Interface (UPI), which revolutionised digital commerce. Fintech start-ups like Paytm, PhonePe and Razorpay have revolutionized banking and payments. But challenges also persist, like NPAs in banks, financial frauds, and regulatory bottlenecks. Whilst Securing financial management, enhancement of cyber security, and inclusivity in financial services for rural populace will be the keys to maintain the journey. The advent of cryptocurrencies, blockchain and central bank digital currencies (CBDCs) may re-form India's financial landscape over the next 10 years. It will be important to find the right balance between regulation and innovation that supports stability.

8. Foreign Trade and Global Integration: India's Trade Policies The foreign trade policy in India has undergone changes over the years and plays crucial role in India's commerce with world economies. Key exports include IT services, pharmaceuticals, textiles, and automobiles with the United States, European Union, and Asia being significant markets. Atmanirbhar Bharat (Self-Reliant India) scheme The government has rolled out a slew of trade agreements and policies under Atmanirbhar Bharat including to promote exports and lower dependency on imports. India has also been involved in multilateral institutions WTO, BRICS, G20 in order to grow its international trade connections. Though it enjoys favourable growth, India still has challenges to meet in international trade such as large trade deficits, reliance on fuel imports and lack of export competitiveness. The recent push towards free trade agreements (FTAs) with the European Union and Gulf countries could

enhance India's export potential.. But to increase global integration, India needs to Focus on port infrastructure, custom efficiency and logistics improvements. Improving product quality criteria and expanding the range of export markets is going to be the key to sustainable trade growth.

9. Economic Disparities and Inclusive Growth: Due to uneven distribution of India's high economic growth, income inequalities between the urban and rural have widened further. Cities like Delhi, Bengaluru and Mumbai have boomed economically but poverty and unemployment prevail in large parts of the hinterland, in regions such as Bihar, Odisha and Uttar Pradesh especially. To check inequality, the government has introduced several social welfare schemes, including the PM Awas Yojana (affordable housing), Ayushman Bharat (health for the poor) and the Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA). But it remains a struggle to move up in society, given inequality in education, healthcare, roads and electricity. At the same time, government policy must prioritise inclusive growth, women's empowerment and rural industrialisation to reduce these economic disparities. Equity of opportunity in economic empowerment, for instance can also be advanced by investing in: Strengthening of the Public Distribution System (PDS) Investment in children, including targeted financial assistance to pregnant women and to the girl child Education, health care, rural electrification and digital access to the poor Small businesses kept alive by policy, and able to access investment, can also help to make opportunities for economic advancement more equitable.

10. Policy Reforms and Sustainable Development Goals (SDGs): Pursuant to its global sustainability goals, India has introduced significant policy changes in taxation, labor laws and environment curbs. Similar impact on the firm productivity was observed when the GST was introduced, and India's tax regime was simplified. India's tax structure was made simpler with the introduction of the Goods and Services Tax (GST), which increased company productivity. Corporate governance and debt resolution have been enhanced by the Insolvency and

Code (IBC). India's commitment to protecting the environment can be sustainability efforts such as the National Solar Mission, EV subsidies and tree plantation drives. The country has pledged to reach its carbon neutrality goal by 2070 and is working on sustainable industry and renewable energy. It remains a challenge to achieve equilibrium between environment protection and economic development. There are problems that policymakers must address with some speed: air pollution, deforestation, water shortage and so on. A long-term strategy which focuses on tackling poverty, making growth resilient and building green infrastructure is essential to meeting SDGs prescribed by the UN.

1.1.1 India As A Developing Economy

In the future, policy reforms could be centered around innovation-led growth, start-up ecosystems, digital transformation, and ease of doing business. India will need a robust governance model and policy continuity to maintain its economic resilience over the long run. As one of the world's fastest-developing economies, India (and one of the fastest in terms of transformation of living standards) continues to play a key role in the global marketplace.

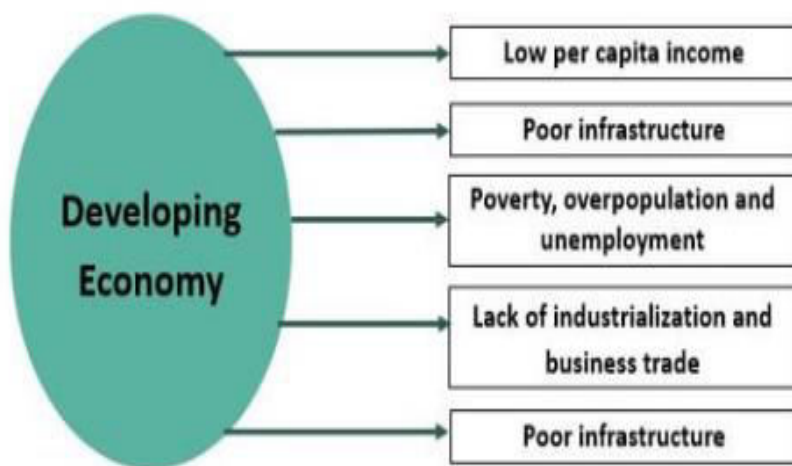


Figure 1.2: Developing Economy

India is the world's seventh-largest economy by nominal GDP and the third-largest by purchasing power parity (PPP). The country is classified as a newly

industrialised country, one of the G-20 major economies, a member of BRICS and a developing economy with an average growth rate of approximately 7% over the last two decades. But there are still problems like economic disparity, unemployment, poverty and infrastructural shortfalls, so understanding that India is a developing country becomes essential. This chapter presents a review on the status of the economy, growth indicators, contribution by sectors, government measures and issues that earmark its progress as a developing economy of India.

Impact of CSR Practices on Sustainable Development: From a policy and governance standpoint, corporate social responsibility (CSR) has moved to serve as a driver of sustainable development and has given rise to a strategy in order to make companies grow economically and have a positive social and environmental impact. CSR is the belief that businesses must act ethically and sustainably, while contributing to society both locally and globally. "With so many challenges to face in the world - from climate change to poverty to inequality - consumers are forcing companies to take responsibility for their practices and impact on society in the long term.

Understanding CSR and Sustainable Development

CSR refers to the use of a business's self-regulatory capacity to be socially accountable to citizens; the communities and environment through which it operates; and the people who work for and with it beyond what is mandated in law (Valente, 2004). "In essence, sustainable development is about local places doing what they can to make sure no-one over-shoots their local resources and causes harm too others." UN Sustainable development is about meeting needs within the limits of what the earth can provide. Businesses could leverage the United Nations Sustainable Development Goals (SDGs) framework to align their corporate social responsibility (CSR) strategy with broader universal aspirations.

Key Areas of CSR Impact on Sustainable Development

1. Low to Moderate Per Capita Income

India's per capita income remains far lower than that of rich countries. India (2023), which has a per capita income of about \$2,411, compared with \$76,330 in the U.S. and \$51,300 in Germany. This difference underscores problems of economic opportunities, wealth distribution and standards of living. CSR in India is vital in bridging this income gap as CSR help promote "social entrepreneurship, that is acceptance of poor clients by formal banking, and development of the empowered endogenous system" (Olihant & Prakash Jha, 2016). Both Tata and Infosys have invested in rural development to create jobs and to bring health to ailing economies. These initiatives help lift incomes and reduce economic inequality, which in turn help to achieve SDGs 1 (no poverty) and 8 (decent work and economic growth).

2. High Population Growth Rate

India overtook China in 2023 to become the world's most populous country, with 1.42 billion. This "demographic dividend" provides it with the largest pool of potential human resources but also places demands on resources, education, health and infrastructure. Their hopes are that CSR activities will work to solve these issues by the implementation of preventive programs, medical aid and town planning. Reliance foundation, Wipro foundation are a few, which independently run mega projects such as healthcare and education. Those pursuits are helpful toward the 3rd SDG (Good Health and Well-being) and the 4th SDG (Quality Education) required for a healthy and educated workforce that supports the economy in the years ahead.

3. Predominance of Agriculture

In spite of modernization, almost 42% of the Indian work force is in agriculture, still accounting for about 18% of India's GDP (Economic survey of India, 2023). No, but it's held back by dated farming practices, climate change, and lack of productivity growth.

Some corporate social responsibility (CSR) programs also promote sustainable agriculture in the form of better irrigation methods, financial help, and organic farming training from entities such as ITC and Mahindra. They are consistent with SDGs 2 (Zero Hunger) and 12 (Responsible Consumption and Production) and use sustainable farming approaches that allow farmers to make more money.

4. Growing Industrial and Services Sectors

Services are the largest holder of the net value added, offering almost two-thirds of India's GDP, and it is the fastest growing with information technology and telecommunications as the industry leaders. Contrast this with manufacturing which with the help of Government programmes like 'Make in India' is expanding at a break-neck speed. CSR in these activities predominantly focuses around skill development, digital literacy, employment generation. Companies such as Infosys and TCS focus on STEM education, run coding boot camps and back women's empowerment projects — all contributing to SDGs 9 and 10⁵. High Unemployment and Informal Workforce India is characterised by perpetual unemployment as the unemployment rate in India was 7.8% in December 2023 as per CMIE. In addition, 80% of the labour force is in the informal economy with no job security and no social protection. CSR programmes are more concentrated in vocational training, promotion of entrepreneurship, financial literacy etc. to meet these challenges. The efforts are: informal workers through, firms like HDFC Bank and Hindustan Unilever. This supports the achievement of SDG 8 (Decent Work and Economic Growth) and SDG 1 (No Poverty) through reducing unemployment and economic insecurity

Economic Growth and Development Trends

GDP Growth Trends

India's economy performance has been extraordinary as GDP growth achieved a joint average of 6-7% per annum, over the last two decades. GDP growth of

7.2% in FY 2022-23 in the post-COVID recovery phase has been resilient in the face of global economic uncertainties.

Agriculture:

significant portion of India's workforce was employed in agriculture, which has historically been the backbone of the country's economy. Although its share of the GDP is shrinking, the agricultural sector remains central to rural development, employment and food security. As per the Periodic Labour Force Survey 2023", nearly half (45 percent) of the work force engages in agriculture, which contributes just 15 percent to the national GDP following fast industrialization and growth of the services sector. Rural livelihoods In its own way, agriculture has a direct influence on livelihoods in rural areas. For millions of farmers, it is a way of life not just a vocation. The government has pursued a number of policies to make agriculture economically productive and sustainable. Farmers are given direct income support under the Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) scheme, which offers a financial benefit of ₹6,000 per annum payable in three equal instalments. The programme gives a little material support to small and marginal farmers who they can spend on home and farm-related costs. MSP – minimum support price (price that is guaranteed by the government to be received by the harvester of particular crops which means that harvester is assured of a minimum price even if market prices were to fall) – is one way to sort this issue. The price that the government announces as the MSP is for more than 20 crops, including wheat, rice and pulses. This policy consists of production, income and risk reduction for agriculture. But challenges remain, from delayed procurement and middleman exploitation, to regional variation in MSP benefits. Modern agriculture, mechanisation, digital initiatives are all playing key role in addressing productivity as well. Agri Tech startups are emerging, precision farming techniques are being implemented, and AI-driven weather forecasting have empowered farmers

to make informed decisions. PM Fasal Bima Yojana (PMFBY) for crop insurance, e-NAM (Electronic National Agriculture Market) for a unified online marketplace for farm produce are other programmes launched by government. These initiatives have yet to address the issues the Indian agricultural sector faces regarding issues such as land fragmentation, scarcity of water, climate change, and inadequate infrastructure. Policymakers are focusing on sustainable farming, organic agriculture and integrated farming systems in a bid to solve these problems. Also the promotion of natural farming and Agri-exports was able to open up new opportunities for farmers in this budget. Agriculture is not only important to food security, but also contributes significantly to rural employment and economic stability. Its share in GDP may have fallen, but a combination of targeted government policies and technological advances ensures that it remains an important player on India's socio-economic landscape.

Industry: The industry in India is believed to be a second chance to bring the economy on track and it occupies 25% of GDP of the country and offer employment to 100 million people. This category also includes manufacturing, construction, mining and utilities. While the government encourages Make in India and pushing rapid industrialisation, a lot is happening in the country. A large proportion of India's working population used to work in agriculture, which has always been the lifeline of the country. Agriculture, though, used lesser percentage of the GDP, its role in rural development, employment and food security was significant. Even now the sector continues to employ roughly 45% of the population, although it contributes only 14% to the GDP due to the rapid industrialisation and the growth of the services sector. impact on rural people's lives in Resource Material 17C (Part 3).From NibMany of Growth That Delivers: The Impact of Growth on Poor People?000IFIC AGRICULTURE #IF AOJECTIVE AGThe introduction of the growing high-input food crop and livestock sector. For millions of farmers, farming is not just a job but a way of life. There are a range of measures that have been adopted by the government to make agriculture a profitable venture and sustainable.

KISAN) plan, which distributes an annual award of ₹6,000 in three equal installments. This program gives small and marginal farmers some financial stability so they can spend it on home and agricultural costs.

One of the fastest-growing automobile industries in the world is that of India, and major global players such as Tata, Mahindra, Hyundai and Maruti Suzuki are investing in electric vehicles (EVs) in key ways. India will aim to be a global leader in sustainable transportation via PLI scheme for EVs & battery manufacturing. The PLI incentives have, indeed, encouraged the pharmacy of the world (the Indian pharmaceutical industry) to produce active pharmaceutical ingredients (APIs) locally and reduce dependence on China. The manufacturing sector also has some dynamics, including logistics cost pressures, bureaucracy, energy supply issues etc. The government has responded to these challenges with ease of doing business reforms, cut in corporate taxes for new manufacturing units and simplification of labor laws. So, the growth story of the Indian Industrial sector have been quite fair which is supported by the certain policy initiatives, the increasing infrastructure which is getting developed and increasing global competitiveness. The sector could play a huge role in employment and economic independence with the right strategies.

3. Services:

Approximately 55% of India's GDP comes from the services sector. Information technology (IT) and business process outsourcing (BPO) are the two most lucrative service sectors, with combined revenues of nearly \$245 billion in 2023. A major player in the worldwide IT industry, NASSCOM India focuses on firms like TCS, Infosys, Wipro, and HCL. Millions of skilled professionals are working in India's IT industry, which has grown into one of the largest job creators. Indian cities such as Bengaluru, Hyderabad, Pune, and Chennai have grown to become incubation hotspots for IT investments by international behemoths like Google, Microsoft, and Amazon. Cloud computing and AI, cybersecurity, and blockchain has given an extra boost to India as a leader in the digital economy.

Economic growth Growth of economy is owed to outsourcing industry particularly to BPO and KPO. The cost effectiveness of Indian labor, hawk-eye focus on English language and superior IT infrastructure are some of the biggest reasons why firms outsource to India from across the globe. This is basically divided into a few main segments like transfer of call centers, back office processes financial services outsourcing. Measures like Digital India, IT Special Economic Zones (SEZs) and tax benefits by the government have created the right environment to stimulate the growth of the IT industry. In addition sugilicious startups have grown due to the Startup India campaign. But challenges remain for the services sector including the global economic uncertain ties, data privacy and the requirement for continuous skill upgradation. As AI becomes more prevalent in organizations for the management and operation of their systems, the concern of job eradication in traditional IT jobs has surfaced as a concern, emphasizing the need for retraining and upgrading the workforce. The Indian services sector, on the other hand, remain at the heart of the global economy and is expected to grow only faster in AI, cloud computing and cybersecurity despite these challenges. With the digital revolution and the impetus for innovation, India will remain at the forefront in the world of IT.

Government Policies and Initiatives

1. Economic Reforms and Liberalization (1991):

When the government liberalized the economy in 1991 with the support of Prime Minister P.V. Narasimha Rao and then-Finance Minister Dr. Manmohan Singh, India's economic paradigm changed. India's economic transition from a socialist to a more market-driven system based on the Liberalization, Privatization, and Globalization (LPG) doctrine was marked by this change. Because of a severe balance of payments crisis, declining foreign exchange reserves, and a significant fiscal deficit, the reforms were deemed necessary. Liberalization also entailed reducing the government's involvement in these sectors, abolishing the License Raj, and allowing the private sector to participate. Additionally, it allowed

foreign investment in Indian industry, promoting efficiency and competition. The country's ability to integrate into the global economy was made possible by the power of tariff reductions and the removal of trade obstacles. As a result, India saw a rise in foreign direct investment (FDI) and expansion in industries including information technology, telecommunications, and pharmaceuticals.

It also involved selling off government stakes in PSUs, thereby pushing out its monopoly and generating private ownership. It resulted in more productive use of resources and innovation across crucial sectors. Several loss-making public sector enterprises were either restructured or offloaded to private sector players. A few days back globalization opened up large international markets for Indian finished goods as well as allocation of foreign investments in India. Through the reform, the entry of multinationals created much more employment and transferred technology. These reforms over the decades fueled GDP growth, removing millions from poverty and making it one of the fastest growing economies in the world.

2. Make in India (2014)

Make in India Prime Minister Narendra Modi's Make in India campaign, launched in 2014, seeks to position India as a global hub for manufacturing by encouraging innovation, investment and human capital development. Introduced in November 2020 to reduce dependence on imports, the PLI programme aims to boost local production in 25 sectors such as electronics, textiles, pharmaceuticals, and automobiles. Headed by the Department of Industry and Internal Trade, India wanting to raise the Manufacturing Sector's share of GDP which is 16% compared with China's 34%, USA's 20%, and Japan's 21%. The government has facilitated labor regulation, cut loose regulations and made tax breaks for business in order to make this happen. The Production-Linked Incentive (PLI) program is one policy that has increased the appeal of domestic

manufacturing. It has led to massive foreign direct investment (FDI) of nearly USD 150 billion in various sectors. The government's push for industrial corridors, better infrastructure and modernized logistics have also been instrumental in attracting these firms. Firms such as Apple, Samsung and Tesla have also increased of manufacturing footprint in India, providing jobs and improving the supply chain ecosystem. Though there has been a lot of progress made under make in India but a good skilled workforce, circumventing bureaucratic roadblocks and better infrastructure are still some barriers we need to cross. Resolving these issues is crucial for making India a competitive global manufacturing powerhouse and for narrowing its trade deficit.

3. Digital India (2015):

Introduction Digital India is an initiative of the Government of India which was launched in 2015 with the objective to transform India into a knowledge economy and society through technological empowerment. Its key areas of concern include digital infrastructure, digital services and digital literacy. One of the focuses of the program is to create solid digital infrastructure. Among the priorities have been expansion of broadband, building fiber-optic networks and last-mile connectivity. Aadhaar, India's biometrics-based IDs Aadhaar, India's biometric-based identification system, has been a game-changer for digital governance and service delivery. And this is an area where we can see a lot of development on digital services. E-governance has simplified the process such as filing tax, applying for passport, registering property. Payment channels like UPI changed the way we transact digitally, increased financial inclusion and reduced dependency on cash. The enhancement of the Digital literacy, particularly in the villages, is one more perennial aspect of Digital Indian. (Pradhan Mantri Gramin Digital Saksharta Abhiyan)PMGDISHA (Pradhan Mantri Gramin Digital Saksharta Abhiyan) has also been started to train students and learners in digitally digital technologies.

online education platforms, and telemedicine providers. Even with its success, challenges like cybersecurity threats, digital divide, and data privacy concerns stays focal areas.

4. Atmanirbhar Bharat (Self-Reliant India, 2020): The new industrial policy also incorporated the "Atmanirbhar Bharat" self-reliance spirit of 2020 that aimed at promoting domestic industry and cutting down on imported products. It made international headlines during the COVID-19 pandemic, when the need for local production that is resilient became evident as disruptions occurred in global supply chains. The broader Indian government goal, part of what is known as Atmanirbhar Bharat, is to strengthen an industry smitten by dependence on imports. Financial aid plans have been set up to help businesses hit by the epidemic. The industry-specific PLI program is designed to promote domestic production of electronic goods, semiconductors and pharmaceuticals. Atmanirbhar Bharat also reposes faith in self reliance in areas of defense, agriculture and health. The case of indigenous defence manufacturing, organic farming and vaccine production is just one of the many manifestations of this bigger idea. The challenges include infrastructural deficiency, skills development and global competitiveness among others. Addressing these topics will determine the sustained success of the Atmanirbhar Bharat initiative to make India the powerhouse of economy globally.

5. Infrastructure Development: Infrastructure development is central to India's economic growth. Big ventures such as Bharatmala (roadways), Sagarmala (port development) and the Smart Cities Mission are meant to upgrade transport, logistics, and urban living. Bharatmala is aimed at enhancing road connectivity within India, minimizing travel duration and facilitating trade) Sagarmala focuses on building better port-related infrastructure and hence smoother maritime trade. IT is the cinderblock of

all this, and that it can make or break not just cities, but nations at large as we see in the context of the Smart Cities Mission. Such projects create jobs, attract investment and enhance the ease of doing business. But, funding, land acquisition, and execution delays are challenges that need to be overcome.

6. Financial Inclusion:

True financial inclusion is when all segments of the society are able to be reached by banking and financial services. PMJDY (Pradhan Mantri Jan Dhan Yojana) has changed everything – 500 million bank accounts have been opened, connected with Aadhaar and mobile. While efforts like the UPI, DBT and microfinance schemes have also created a better reach of the banking services for the people which allow them to reduce their dependence from the cash economy to a certain extent and from the informal credit networks. Despite this progress, barriers including digital illiteracy and underdeveloped rural banking infrastructure persist. These efforts need to be continued to ensnare every citizen under the clout of financial inclusion.

Challenges Hindering Development

Poverty and Income Inequality And poverty and not to be overlooked intimate friend of poverty- income inequality, which are another of the socio- economic challenges that are literally stopping India for moving ahead to development. India Takes Off India has made enormous progress in recent decades in reducing poverty. According to the World Bank, the rate of poverty fell from 45% in 1993 to 10% in 2021. This is possible only because of economic liberalization, fast GDP growth, government welfare schemes like MGNREGA, and direct benefit transfers. But even with a reduction in absolute poverty, there is income inequality.

The distribution of income within a population, or economic inequality, is measured by the Gini coefficient. In fact, despite GDP growth, India's Gini coefficient has stayed high, indicating that wealth is concentrated at

the highest levels of society. The emergence of billionaires in India while a large section of the citizenry is distressed for basic needs accentuates this inequality. Such inequalities are compounded by the divide between rural and urban areas, with the latter more likely to experience a higher concentration of income than the former, especially in places where employment is limited and wages are stagnant. The type of job created is a significant factor to income inequality. The rise of services, particularly IT and finance, has made the educated elite rich, but much of India works in the insecure, low-paid informal sector. Additionally, inequalities in both educational and health access serve to increase the disparity between rich and poor. Dealing with these challenges would need policies such as inclusive growth, progressive taxation, investment in social infrastructure. The latest research also plays a vital and important role not just in terms of social equity, but also in terms of long-term economic stability and growth.

2. Unemployment and Underemployment

India grapples with a dual challenge unemployment and underemployment, with far-reaching socio-economic consequences. Although it has one of the fastest growing economies, job creation has failed to keep up with population growth. It is a huge concern in rural areas, where the burden of agrarian distress leads people to low-paying and precarious employment. In India the unemployment rate varies, but continues to be an important challenge with respect to structural unemployment. Skill mismatch, automation, and lack of industrial diversification are some of the reasons behind lower jobs. Although the service sector has been growing, the manufacturing sector (that could yield mass employment), has not expanded to the expected degree. Rising initiatives from the government like to make in INDIA aspires to provide job opportunities, However, poor functioning of the bureaucratic machinery coupled with poor infrastructure holds back employment growth.

Another major problem is underemployment, where individuals work jobs that don't require the level of skill they possess, or for shorter hours than they want. This is common in agriculture (as disguised unemployment exist, so many family members are involved in small farms, not requiring such a large labor) Many have found new work in the gig economy, but often without job security, benefits or fair pay. Assigning talented skill-based professionals in all sectors is the answer to these problems, yet they need additional skills for vocationalization of training and labor market reforms. Job creation also comes from aspects such as encouraging entrepreneurship, supporting small businesses, improving the ease of doing business, and so on. Industrial policy and zagging into newer areas like renewables and technology will have to be solidified and investments created to form sustainable job opportunities.

Infrastructure Gaps

As we have seen in the last two decades, there has been significant progress in infrastructure development in India, but critical gaps remain in transport, electricity and digital connectivity. These shortcomings limit economic development, raise logistics costs, and lower global competitiveness. The country has seen a huge improvement in transportation infrastructure in roads, railways, ports due to schemes like Bharatmala and Sagarmala. Lack of rural road networks and urban congestion are still major problem areas. This is leading to much greater inefficiencies for logistics and trade and commerce due to the absence of seamless multimodal transport systems. Access to electricity has improved dramatically, but it remains unreliable, especially in rural and semi-urban regions. Despite expanded electricity connections through government initiatives like the Saubhagya scheme, industries and households have long suffered from power cuts and transmission losses. The rising expansion of renewable energy looks encouraging; however, coal still holds a prominent position in the energy mix and is responsible for environmental issues. Initiatives like Digital India have transformed digital infrastructure resulting in an increase in internet penetration and mobile connectivity. But broadband access and digital

literacy remain limited outside cities, restricting economic opportunities and access to online education and health care. Public and private investments, practical project implementation, and sustainable planning are necessary to bridge these infrastructure gaps. Further, continuation of smart city solutions, reduction in bureaucratic red tape and strengthening of public-private partnerships will accelerate infrastructure development.

Environmental Concerns: India's fast-paced industrial and urban growth scenario has posed grim environmental challenges, ranging from pollution and deforestation to climate change. Air-quality in big cities, especially Delhi, has become a threat to human life by these days due to vehicles' emissions, industry emissions, and stubble burning. The worsening air quality has serious health consequences in the form of respiratory diseases and decreased life expectancy. Deforestation and desertification are major concerns, and are caused by the growing demand for more land for agricultural use and overgrazing, and the lack of understanding of the ecological effects of cutting down forests. Cutting down a country's forests can result in the loss of biodiversity and disturbance of ecosystems, in addition to being a driver of climate change. Water pollution from industrial effluents, raw sewage and agricultural runoff hampers both human health and marine life. Effects of climate change, including erratic monsoons, increasing temperatures and extreme weather, are posing threats to agriculture and people's lives and livelihoods. Millions of people in coastal communities will be affected by sea level rise. We are together on projects like National Action Plan on Climate Change (NAPCC) and the Indian government's plan on renewable energy. But finding a sweet spot between environmental protection and economic development is still a challenge. In the meantime, what is crucial is to ensure transition to clean energy and impose stricter regulations to control pollution and propagate afforestation to address these environmental issues. Urban development based on sustainable principles, proper and efficient waste management, as well as, eco-friendly transportation solutions can also assist in upholding long-term environmental protection.

5. Education and Healthcare

India ranks 132nd on the global Human Development Index (HDI — a snapshot of the resilient challenges that persist in the domain of education and health equity. School enrollments and literacy rates have improved, but quality education remains a challenge. New government policies like NEP 2020 have promised to bring a change to the current education system, but a lack of resources such as qualified professors and modern infrastructure along with still-relevant issues of outdated syllabi mean that the ground is not moving fast enough. Likewise, higher education is struggling with issues like affordability and nearly no capacity for research, as well as the gap between what one can learn in an academic setting and what is actually needed in the field. Two of these tools are pay increases and vocational education. Healthcare accessibility is a big issue as well. There have been great strides in medical research and health care facilities in India, but there are still a large number of rural zones where adequate medical facilities are excluded to the qualified health personnel. The public healthcare system is underfunded and hospitals are overwhelmed, driving people into private — and costly — care. Malnutrition, tuberculosis and ailments of affluence continue to affect millions. On passing the exam, there are five years of working on the road to becoming a doctor, and then the knowledge you will carry with you for your new profession, says the doctor. One aspect of change is reinforcing primary healthcare, telemedicine services and medical research to make them more accessible. Education and healthcare are critical areas for human capital formation and economic growth. Fewer poor people contribute less to violence, and a healthy, educated population is a more productive, innovative, and life-affirming society.

Future Prospects and Path to Development

Features And
Problems of
Indian
Economy

1. Skill Development: Enhancing Technical and Vocational Training to Improve Employability

The project will also focus on skill development which is the most important factor in improving human capital and driving economic growth. With the change of technological era and employment marketplace and demand, providing Technical, Vocational training to individuals helps to enhance their employability, productivity. These include vocational skill development programs that aim to equip individuals with these marketable skills that are in high demand in the labor force coping with the prospects of self-employment or employment in various industries. Formal education and institutions cannot provide everything required by the workplace therefore it falls to technical and vocational training programs. Vocational training, in contrast to standard academic programs, prioritizes practical, work-related experience, allowing persons to develop specific abilities in industries such as manufacturing, health care, building, information technology, and automotive services. The skills not only boost job opportunities but also improve productivity, innovation, and economic resilience.

This is why both the government, working with the industries and educational institutions, need to come together to create and implement effective skill development programs. Through public-private partnerships, modern technology and industry expertise could provide the necessary training to be absorbed into the skilled labor ecosystem. Other skill development and professional growth paths come in the form of apprenticeship programs, on-the-job training, and certification courses. Governments may motivate companies to investing in upskilling their workforces through various subsidies or tax cuts and infrastructure investments. In the current globalized job market setup, the importance of both soft skills and digital literacy cannot be more emphasized.

These are critical competencies that complement domain knowledge such as communication, teamwork, problem-solving and adaptability. A skilled workforce is key to national economic development. That something was not very unattainable, just a in recent studies it was showed that the countries invest on development of skills have much lower rate of unemployment and advance productivities with the global competitiveness. Moreover, bridging the skill gap minimizes labor shortages, paving the path for sustainable development in economies. Therefore, improving technical and vocational education is not just a measure of the educational sphere but an important economic instrument to ensure the prosperity and social saturation of society.

2. Infrastructure Investment: Expanding Roads, Railways, and Digital Connectivity to Support Economic Growth

Similarly, so are investments in infrastructure inherently tied to the improvement of economic development, both (a) in facilitating trade and (b) rising productivity quality of life overall. The upgrading and broadening of roads, railways and digitization are important for economic expansion, regional development and the equal access to services. For example, transport infrastructure -such as roads and railways- is essential to connect urban and rural areas and to facilitate smooth goods and passenger transportation. Well-designed road systems can shorten the time spent on the road, decrease transportation expenses and facilitate access to markets and services. Investing in rail has similar benefits, moving freight and passengers while limiting new congestion and carbon with road movements. High speed trains and underground systems create a level of mobility and quality of life that makes cities livable and workable. System of roads and information Today as ever digital infrastructure is crucial in a knowledge-based world. Broadband expansion and improving digital connectivity help businesses, schools, and government services. E-commerce, telemedicine, remote working and e-governance, can all be realized through the digital revolution, and they all have a multiplier effect on our efficiency and inclusivity.

Digital infrastructure will strengthen even the most isolated communities by giving them access to global economies and opportunities.

Infrastructure investment also needs to be resilient and sustainable. Climate change and rapid urbanization call for eco-friendly construction practices and disaster-resilient infrastructure. The role of IoT (Internet of Things) and AI (Artificial Intelligence) in developing smart cities is to optimize the resources and enhance the living standards of those urban areas. Government policies need to be developed that will create the environment to encourage private investment to engage in infrastructure development. To mobilize forces for rapid delivery and efficiency, cooperation between Public Private Sector partnership (PPP) is very significant. This prioritization of infrastructure investment leads to higher growth, better employment opportunities, and greater global competitiveness for economies.

2. Sustainable Development: Promoting Green Energy, Reducing Carbon Emissions, and Achieving Energy Security

Sustainable development is crucial to ensuring economic austerity and protection. Crucially, in an iterative world where climate change and resource depletion increasingly leave concerns more dire than ever before, green energy with lower carbon emissions and energy security is and must be a priority for nations around the world. Green energy sources – such as solar, wind, hydro, and geothermal power – are used as an alternative to fossil fuels, reducing the degradation the environment suffers. Financial commitment to renewable energy infrastructure lessens reliance on limited resources and mitigates greenhouse gas emissions. Developed economies and governments around the world are pushing for clean energy, providing policies and incentives like subsidies and tax benefits to encourage its adoption. Reducing carbon emissions is a critical part of sustainability. Carbon footprints are significantly caused by industries, transportation, and urbanization. Carbon pricing, emission trading systems, and energy-efficient technologies can all help keep pollution levels down. People

know that transitioning to electric vehicles (EVs), building better public transportation systems and encouraging sustainable agriculture all help save the planet.

One more crucial element of sustainable development is energy security. Countries need more energy diversity, smart grid investments and energy storage capabilities to create a stable and uninterrupted power supply. These include energy efficiency measures such as LED lighting, smart appliances, and green building designs that lower total energy consumption and costs. These are global cooperative efforts and policy frameworks that encourage movement toward something like sustainability (the Paris Agreement, for instance). Equally, businesses and consumers can encourage sustainable practices -- by integrating eco-friendly products, cutting down on waste, adopting practices, and supporting green initiatives. Just as you cannot eat a negative imprint on your bank card, you simply cannot spend without being capable of reaping.

3. Strengthening Governance: Enhancing Ease of Doing Business, Legal Reforms, and Transparency to Attract Investments

Now, there is no economic development, social stability without good governance. Enhancing the ease of doing business, legal reforms, and transparency will engender an investment-friendly environment and strengthen public confidence in institutions. Ease of doing business is an important value proposition for any nation. The reduction of red tape, easing business registration processes, and simplified financial transactions stimulate entrepreneurship and foreign direct investments (FDI). The absence of economic barriers, a transparent directive tax system, better compliance window and digital governance mechanisms increase business operations and competitiveness. To guarantee fair and predictable business, legal reforms are required. In addition, effective governance such as clear property rights, mechanisms to enforce contracts, and investor protection law are important because they boost confidence among businesses and investors. All of these aspects help to strengthen an economic

justice system governed by a strong legal framework serving as a foundation of judiciary efficiency, alternative dispute resolution tools, and anti-corruption instruments.

Good governance has no place of corrupt practices and ensures transparency and accountability of business practices. Public scrutiny and policy effectiveness are further enhanced by open data initiatives, digital governance, and independent regulatory bodies. Putting the above together: a transparent government helps gain the trust of the investor community, creates an environment for innovation, and helps allocate resources efficiently. Governance is improved through public-private collaboration. This requires engagement between governments and stakeholders such as businesses, civil society and international organizations in designing policies that promote economic growth with social protection. Governance improvements not only attract investments but also contribute to economic resilience and long-term prosperity.

1.1.2 DEMOGRAPHIC FEATURES

1. Population Size and Growth

India is the most populated country on the planet, there are over 1.4 billion people. One of the largest chapters of all times in the textbook of India by Young researchers, is always the population size, which impacts many sectors such as economy, education, healthcare, and infrastructures. During the last 100 years, the people of India reached population explosion owing to improved medical care, sanitation, and life expectancy. The population of India was 1.21 billion as per Census 2011, an increase over the decades. The rate of population growth in India has varied over the years. Throughout the early 20th century, growth remained sluggish due to high mortality from inadequate healthcare and numerous famines. But after independence, it registered a remarkable increase in the growth rate due to declining death rates and increased fertility. That stunning growth was aided over time by the Green Revolution, better nutrition, and vaccination programs. But the population growth rate has recently been

decreasing as people become more conscious about family planning, education levels get better, and the economy continues to develop.

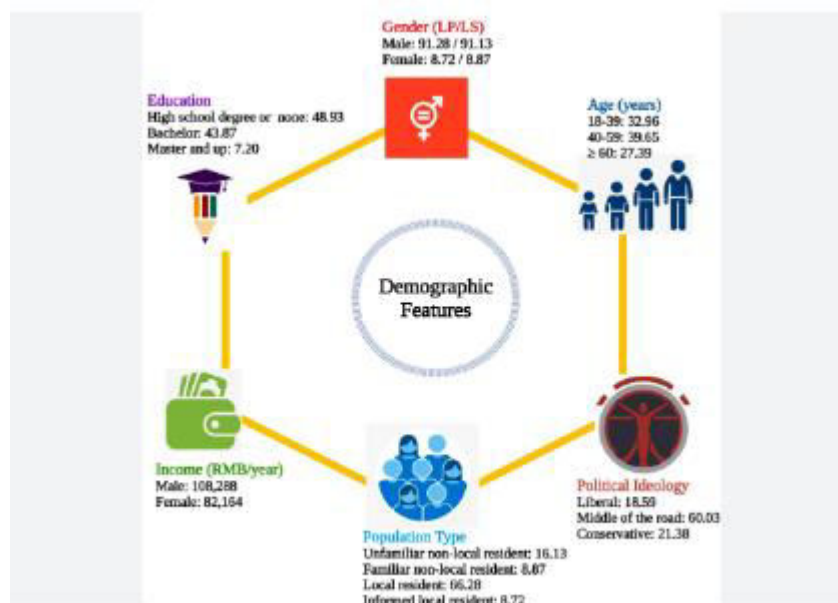


Figure 1.3: Demographic Features

Finally, urbanization is another key driver of demographic change. Many Indians are fleeing rural employment and living conditions for their urban counterparts. Metropolitan areas, including Mumbai, Delhi, and Bangalore, have experienced massive population growth, resulting in problems including congestion, pollution, and a lack of housing. Even as the government has tried to reduce birth rates through things like family planning programs and campaigns encouraging smaller families, India remains under demographic pressure. Another unique aspect is the youth population in India. The opportunity: a significant part of the population is below the age of 35 years. On one hand, this demographic advantage the “demographic dividend” can potentially stimulate economic growth. Conversely, a lack of opportunities can create a country that is devoid of material for the very issues driving the protests.

2. Age Structure and Dependency Ratio

The key to India's economic and social dynamics lies in the country's baby boom in terms of population age distribution. India's population, which has a median age of about 28, is relatively young. Population age structure is typically broken down into three groups: working-age population (15–59 years), elderly population (60 years and above) and childhood population (0–14 years). The greater base of the pyramid is the working-age population which is favorable for economic growth, figure of micro population pyramid. With a larger proportion of working-age people in the population, productivity, innovation and economic growth are given a stronger boost. However, to leverage this demographic advantage into economic outcomes, India must focus on skill development, education, and job creation. Abbreviate the same but help us understand the dependency ratio Demographic indicator. However, a high dependency ratio can cause an economic burden on the workforce as the working-age population supports both allegiances and offspring dependent on them. India's dependency ratio has been falling over the years, largely due to falling birth rates. This decline gives a temporary economic boost, because more individuals are working than are dependent. But, as India's population grows older, the dependency ratio will now likely climb back up in the coming decades. Advances in healthcare and age longevity have led to a growing elderly demographic. This demographic transition creates pressures on social security, pension systems, and health-care systems. Policymakers must be readying themselves for an over-Medicared and over-social-securitized aged population, sustainable fiscal and healthcare policies

3. Literacy Rate and Education Levels

Education is an essential socio-economic variable determining economic performance, employment opportunities, and living standards. Over the past few decades, India's literacy rate has dramatically increased. According to the 2011 Census, India's literacy rate is 74.04%, with 82.14% of men and 65.46% of women being literate. The government's various measures, like as the Right to

the Education (RTE) Act and the Sarva Shiksha Abhiyan (SSA) as well as increased investment in school infrastructure, are the cause of this progress. There have been significant inroads, but more work is needed to bridge the gap between the literacy levels of rural and urban areas, and between males and females. Even in more remote areas, schools are impelled by the pressures of poverty, infrastructure and contribution to closed societies, especially so for minorities. It is girls who suffer the most, who have few opportunities because of early marriages, domestic chores and tradition. India has such a huge number of students studying in so many stages of education, that educational institutions have sprung up in tides. Efforts such as Skill India Mission have been launched by the government to improve skill and technical education. But the academia too, has its own issues, from obsolete syllabus and irrelevant work-based training to lesser research opportunities. Particularly after the COVID-19 pandemic, digital education is receiving attention, within new opportunities for learning. With online platforms and digital classrooms, education has never been made so accessible and yet tension among digital divide and urban-rural divide remain, particularly for the weaker section of society. This void has to be bridged by promoting policies, programs and practices for digital literacy and inclusive education of all the sections of the society so that India marches ahead towards its goal of development.

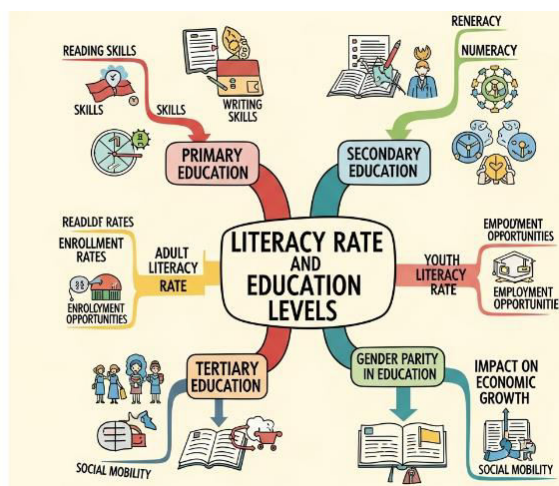


Figure 1.4: Literacy Rate and Education Levels

4. Regional and Rural-Urban Distribution

India's regional and rural-urban distributions also reflect the country's diverse demographics. The nation's population is dispersed unevenly, with some states having high population densities and others having low ones. Some, like Uttar Pradesh, Maharashtra, and Bihar, are among the most populous states; others, like Arunachal Pradesh and Sikkim, have low populations due to their geographical constraints. Once aware of these figures, basic knowledge enables us to determine the general reasons for population distribution in India, which can be broken down into a variety of features such as climate, natural resources, economy, and settlement history. While the Indo-Gangetic Plain one of the most fertile areas on the world map, is home to population densities of almost 500 people per square km, desert and hilly areas have less than 10 people per square km. Additionally, the presence of factories, jobs, and businesses is a large reason people flock to areas. Urbanization is a distinguishing aspect of India's demographic profile. In the meantime, due to its fast economic development, a lot of people will move from the countryside to other towns for a better life. The growth of urban population has continued over the years, which in turn has brought about the expansion of metropolitan areas. But this fast urbanization brought challenges, such as overpopulation, slums, pollution, and insufficient infrastructure. Cities such as Mumbai, Delhi and Kolkata are under immense stress on resources, leading to issues such as traffic congestion and housing scarcity. In contrast, many rural regions that continue to constitute a significant portion of the population face challenges such as insufficient healthcare, absence of educational institutions, and lack of job prospects. The schemes like Pradhan Mantri Awas Yojana (PMAY), Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA), etc. are vector towards betterment of the rural life. Theoretical migration policy should work to prevent this excessive migration by improving rural infrastructure, employment opportunities and the general quality of life.

Population distribution of India is a striking feature in the country due to various reasons such as geographical, economic and social diversity. Demographics As per 2011 Census of India, there were 68.8 percent of people living in rural and 31.2 percent living in urban. Yet, this trend has started to change in the past decade or so, with UN estimates suggesting that by year 2030 close to 40% of India will be urban. Numerous conditions have conspired to this movement, among these are attempts to seek better livelihood, educational opportunities and a higher lifestyle for themselves and their children. The fertile lands and historic development in the North and northwest of India, as well as in the northern part of Karnataka gave these regions both high labor demand, as well the high growth, which attracted people into these regions and the saturation driven migration provides a large portion of the new growth, whereas in UP (with 199 million), Maharashtra (with 112 million) and Bihar (with 104 million) as well as in the south, availability of jobs are still not as high as in the places mentioned. On the other hand, the population densities are as low as 17–52 persons per sq. km, primarily on account of difficult terrains and limited accessibilities.

The area Formed by the Indo-Gangetic basin and the valleys of the principal Himalayan rivers, the plain is fertile and, due to abundant precipitation and irrigation, very well suited for agriculture. Whereas people are sparsely present in the Thar Desert and Himalayan regions(averaging less than 10 per sq. km in places. The convergence of urban areas in and around metros like Mumbai, Delhi, Bengaluru and Chennai through industrialization and technological boom draw huge migrating population from rural pockets. For example, Mumbai has a population of over 20,000 people per sq. km, pushing its infrastructure, housing and sanitation to the limit. The pace of urbanization is accompanied by certain problems such as traffic congestion, growing pollution, lack of housing, and a spurt of unauthorised settlements/ slums among others; nearly 22 percent of urban population lives in slums (Census 2011).

UNIT 3 HUMAN DEVELOPMENT (HDI), PROBLEMS OF Features And Problems of Indian Economy VERTY, UNEMPLOYMENT, INFLATION, Features And Problems of Indian Economy INCOME INEQUALITY

HUMAN DEVELOPMENT INDEX (HDI)

1. Life Expectancy at Birth

Life expectancy at birth is a key measure of the overall health of well-being of a country's population. In India, this measure is a snapshot of improvements in health, nutrition, sanitation, and disease control. In the past few decades, life expectancy has increased steadily, and India now averages around 70 years, a marked improvement from the post-independent era. This progress owes to the government's investment in various healthcare initiatives such as Ayushman Bharat, National Health Mission (NHM) and immunization programmes. But challenges remain, notably high rates of infant and maternal mortality, malnutrition, and disparities in access to care in rural versus urban areas. Even though cities can avail advanced medical facilities, rural areas face insufficiency of healthcare infrastructure and medical staff. The increasing burden of non-communicable diseases, including diabetes, heart disease, and cancer due to lifestyle changes, coupled with persistent threats from infectious diseases like tuberculosis and dengue, is straining health systems across the globe. Aerosol transmitted bacteriological antibiotics such as mold or viruses increase respiratory disease in urban areas for example as one facet of environmental degradation. There also remain gender gaps in health indicators, with women in some areas having a lower life expectancy than men as a result of socio-cultural factors like malnutrition, early marriage and access to healthcare. Still, while initiatives such as Beti Bachao Beti Padhao and POSHAN Abhiyaan can help work on these problems, all-round focus on strengthening public health systems, investing in medical research and facilitating equal access to health services is required urgently. Stronger healthcare workforce, increased telemedicine

facilities and preventive healthcare would contribute positively to India's life expectancy and overall human development.

2. Education (Mean and Expected Years of Schooling)

As a crucial aspect of human development, education in India is measured in terms of expected years of schooling (total years of education that a child entering school can expect to receive) and mean years of schooling (average number of years of education that people aged 25 and older have received). India has witnessed significant improvement in literacy throughout its history, with overall literacy rates growing to approximately 77.7% and female literacy on the rise. Must Read: RTE Act, Sarva Shiksha Abhiyan & NEP 2020 are significant steps to universalize education and enhance learning outcome. Disparities continue to exist, however, particularly among rural and urban, gender and socio-economic cohorts. Many government schools continue to grapple with poor infrastructure, lack of trained teachers and high dropout rates, especially among girls and people from disadvantaged communities. Meanwhile, mega-centrism dominates in education which is closing down the analytical and critical thinking of students. NEP 2020 was drafted to achieve this, through a holistic and interdisciplinary education, skill-based learning, education technology etc Higher education is also on the rise, but India has an excess of skills requirement, and a majority are students are not industry ready. Such data collection to explain where efforts and traction can be made in these areas, improved policies and can be made to establish a virtuous cycle in human development and education. This can be further accomplished by improving research and skilling opportunities, juxtaposing education with employment, and by preparing India's workforce to confront the rigour of the global economy.

3. Gross National Income (GNI) per Capita

The Gross National Income (GNI) per capita, which represents the average wealth of a nation's population, is one of the primary economic indicators used in HDI computations. Since then, industrialization, economic liberalization, and expansion in the technology and services industries have all contributed to India's steadily increasing GNI per capita. With a thriving middle class and rising income levels, India has emerged as the world's fifth largest economy. But income inequality is a leading problem today, with wealth stacked in just a small percentage of the population. Indeed, if you look at your big urban centers like Delhi, Mumbai, and Bengaluru, a whole class of people are flourishing with high-income jobs, while rural people still face rampant poverty, underemployment, and low wages.

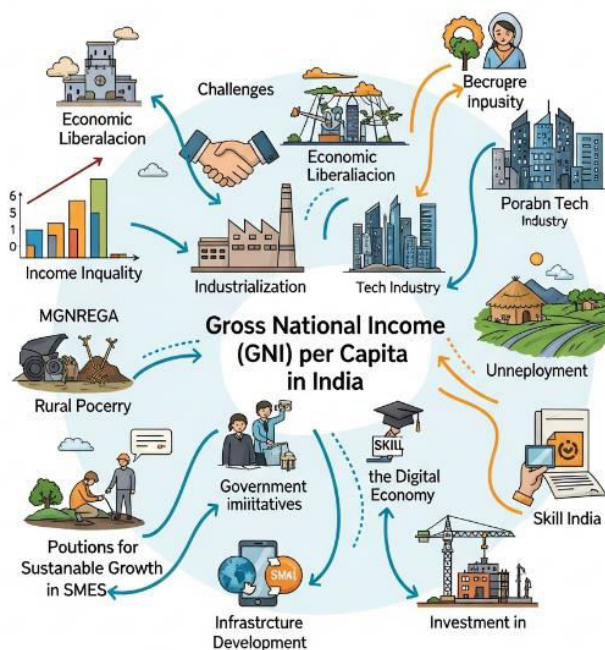


Figure 1.5: Gross National Income (GNI) per Capita

The informal sector employment that is a large part of India's workforce is often insecure, without social benefits or fair wages. Several government initiatives like MGNREGA, Skill India, and Start-up India aim to enhance job opportunities and

minimum income levels. The digital economy, e-commerce and the gig economy are also remaking India's income distribution. Inflation, slow wage growth and unemployment are still challenges, especially for the young and women. Sustainable economic growth and investment in SMEs are both dependent factors of better status of the GNI Per Capita and the Economy. Some of the other factors that can boost income in India include increased financial inclusion through digital banking and access to credit, promoting entrepreneurship, and innovation in high-growth sectors such as technology and renewable energy. Also, narrowing down the rural-urban economic gap by prioritizing investments in agriculture and rural development policies would be indispensable in realizing inclusive economic growth.

4. India's Overall HDI Performance and Challenges: For all its gains, life in India remains quite far behind the lives of people in developing countries. Likewise, India had made substantial progress in health, education and the reduction of extreme poverty, but had not made the same improvements in terms of human life as the life of people in developing countries as a whole. Today, India stands at 130-140 in the pecking order, with a score of around 0.645- and is second only to the African giant Nigeria in the category of medium human development sculpture in the world. India has made significant progress in income, education, and health, and yet there are enough obstacles in its way for more progress. Regional imbalances, gender disparities and social injustice remain serious issues. There are significant regional differences in HDI indicators between states like Kerala and Tamil Nadu, which are performing significantly better than states like Bihar and Uttar Pradesh. This indicates the necessity for region-specific strategies. The COVID-19 pandemic revealed more vulnerabilities in health care and employment, thrusting millions into poverty while upending education. Long-term risks to human development from climate change and environmental degradation are also serious, including to agriculture, water availability, and public health.

involving expanded investment in education, healthcare, social security, as well as sustainable development. Long-term progress also depends on strengthening governance, reducing corruption, and ensuring that policies are implemented effectively. With targeted policy reforms, inclusive economic growth and mastering social infrastructure, India can be a high human development country. Thus, sustained efforts towards breaking the barriers of social conflict, raising the education levels, reducing poverty; along with harnessing the demographic dividend would aid India in moving on to higher HDI scores and ensuring a better quality of life for its people.

1 .2.1 Major Economic Problems

Major Economic Problems of India

There are several chronic economic problems that India struggles with, preventing it from achieving sustainable and inclusive development. None of these problems would lend themselves to a single, big bang policy measure to solve them but there's at least four, possibly eight or nine that have to be dealt with in the next 6-12 months including poverty, unemployment, inflation and income inequality.

Poverty (Types, Causes, Measures)

Despite the economic growth, poverty continues to be a prominent challenge for India. Poverty may be classified into absolute and relative poverty, whereby absolute describes extreme deprivation of basic needs such as adequate nutrition, clothing and healthcare, and relative poverty refers to the general population's living in relative economic deprivation. Other important distinctions include rural poverty, urban poverty and seasonal poverty. However, the main reasons for poverty are population explosion, unemployment, illiteracy, poor health care, distribution of wealth, etc. Moreover, the issue has been exacerbated historically by colonial exploitation and caste-based discrimination. Poverty, particularly in rural areas, is brought on by low productivity, reliance on agriculture, and

inadequate infrastructure. Government initiatives also include the Public Distribution System (PDS) for food security and the Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA), which offers jobs to rural communities. Mantri Pradhan Direct Benefit Transfers (DBT) and Jan Dhan Yojana (PMJDY) are two examples of financial inclusion programs that aim to assist the impoverished community financially. Long-term methods for reducing poverty include structural changes, policies for the development of sustainable education and skills, and policies for rural development.

1 .2.2 Unemployment (Types, Causes, Measures)

Unemployment has become a crucial economic problem in India, impacting millions. Types of Underemployments– Underemployment takes the form of open underemployment when there are people who are looking for jobs but remain unemployed, disguised underemployment when more people are involved in activities than required (as seen in agrarian societies) etc. Seasonal unemployment is common among people who rely on agriculture, as they have no work except during crop seasons. Structural unemployment is caused by a mismatch between workers' skills and the demands of the industry, and frictional unemployment is when people are moving between jobs. The major causes of unemployment are population explosion, lack of industrialization, lack of vocational training, slow economic growth, and the replacement of traditional jobs by automation. Without adequate development in the industrial sector, the transformation to services has worsened the problem. Measures to address unemployment include MGNREGA that provides 100 days of wage employment to rural workers and the Skill India Mission for improving employability through skill development. The Startup India and Make in India initiatives are designed to increase enterprise and industrial employment. Employment generation also warrants reforms in the education sector, promotion of labor-intensive industries and incentives for micro, small and medium enterprises (MSMEs).

1 .2.3 Inflation (Causes, Effects, Control Measures)

Another significant challenge for India is inflation, the increase in price levels in the economy over time. The demand-pull factors, or increased consumer demand exceeding supply, and cost-push factors, which is an increase in production costs from higher wages or material prices, are largely to blame. Inflation is also aggravated by supply chain disruptions, fiscal deficits, excess money supply, and variations in global crude oil prices. Inflation has a few very damaging consequences in the economy. It eats away at purchasing power, hitting lower-income brackets hardest. Escalating costs of basic commodities and services elevate the cost of living and spark social-economic distress. Inflation also erodes savings, discourages investment, and creates uncertainty in the economy. Inflation is controlled through a variety of mechanisms by the government and Reserve Bank of India (RBI). But this contraction in supply of money vitiates the repo rates and freezes funds availability in the credit markets, thus taming inflation pressures. The control of inflation is very much managed by fiscal policies which also incorporates subsidy rationalization and attaining and maintaining fiscal deficit control. Strengthening the supply chain, raising farm productivity and developing better pricing mechanisms are also crucial to tame inflation in India.

1 .2.4 Income Inequality (Causes, Effects, Measures)

Income inequality is one of the most enduring, complex and troubling socioeconomic issues that India is facing today. It is true that India has been enjoying an impressive pace of economic growth and has made significant strides in the reduction of poverty through a period of economic liberalization after 1991, but that does not mean the spoils of this process are in any way evenly distributed across different social groups. This growing disparity between the affluent and disadvantaged populations threatens social cohesion while potentially undermining sustainable development objectives.

Understanding the multidimensional nature of income inequality in India requires careful examination of its historical context, structural causes, multifaceted consequences, and potential remedial measures.

Historical Evolution of Income Inequality in India

The origins of current income inequality in India go back to the pre-independence period, in which social stratification was largely enabled through caste hierarchies and colonial economic policies. The British government implemented land revenue systems which significantly altered traditional agrarian relations, and brought a number of cultivators in to the status of tenants, and others into the zamindar and landlord classes. This re-consolidation of landownership privileged the few and created the bases for economic privilege for centuries past independence. The economic planning after independence, under Jawaharlal Nehru, was based on the idea of a mixed economy which included state intervention, with an emphasis on development being balanced, rather than focusing on those sectors that were expected to be profitable. The initial Five-Year Plans (FYPs) focused on a rapid buildup of heavy industry and the development of an agricultural economy in which the government set purchase prices for crops and food. Yet, in the end, rhetorical promises to the socialist ideal (of equality) were one thing; actual results were many times more beneficial to the urban industrial classes than the rural of the nation thus creating regional imbalance that still shapes the dynamics of inequality. The policies of economic liberalisation launched in 1991, transformed the landscape of inequality in India. Trade barriers were eased, restrictions on foreign investment were relaxed and so too were state control over planning. Although these reforms did generate high rates of economic growth and growth of the middle class, they also increased income inequality by fostering uneven sectoral development. The IT and services sectors boomed but agriculture and conventional industry struggled -- leading to varied economic fortunes for workers across sectors.

Wealth concentration among the economic elite in India has been picking up pace in recent decades. The richest 1 per cent of Indians owned more than 40 per cent of the country's wealth and the poorest 50 per cent owned 2.8 per cent of the country's wealth, Oxfam said. This deepening process is occurring everywhere as part of the global capital accumulation. But, India, in the midst of its own dramatic transformation, it is markedly intense. These patterns were further amplified as a result of the COVID-19 pandemic, with the most disadvantaged population groups experiencing higher economic fragility, and many wealthy individuals experiencing rapid and substantial wealth accumulation during recovery phases.

Structural Causes of Income Inequality

Educational disparities play an important role in income inequality and operate through several inter-related pathways. The standard of education remains very unequal and there is a wide gap between educational facilities and opportunities in the cities and the countryside. Top private schools afford world-class instruction to only the children of the wealthy, while state schools in poor neighborhoods often suffer from poor facilities, teacher shortages and obsolescent curriculums. This education differential carries directly over into employment opportunities, and higher education is becoming more a prerequisite to adequately remunerated jobs in growth industries. There are also literacy rates to consider in mapping the relationship of education and inequality. Although the average literacy rate has improved to around 74% nationally, there is extreme variation within and across states and communities. The literacy rate in Kerala is close to 100 per cent, and in Bihar it is less than 70 per cent. Urban-rural differences are also apparent, with rural literacy rates generally being 15-20 percentage points lower than urban literacy rates. Such education disparities lay the groundwork for income inequality by defining which groups of the population are able to seize new economic opportunities.

Differences in access to health care also contribute to economic inequality through various intermediary channels. Poor healthcare access in underprivileged populations results in greater disease load, higher medical costs and lower productivity. Rural areas are particularly underserved in terms of healthcare, with around 70 per cent of doctors working in Indian cities while about 65 per cent of the population live in rural areas. This geographical inequity means that rural dwellers must either travel long distances to receive health care or call on lower-status providers, which results in unjust health-related economic costs that most affluent city dwellers escape. Out-of-pocket spending is particularly severe for low-income households, leading to catastrophic expenditure and perpetuating poverty across generations. According to reports, medical costs are the biggest reasons for impoverishment for nearly 55 million/5.5 crores people in the country every year and healthcare costs push around 38 million people below the poverty line. Such health-poverty traps are highly efficient inequality-generating devices that transfer financial insecurity from one generation to another, whereas the affluent continue their uninterrupted financial trajectory thanks to private insurance schemes and high-quality care.

The distribution of work has changed greatly in India, transforming its inequality terrain. There has been a "problematic" structural transformation in the post-liberalization economy with dwindling agricultural employment and little increase in manufacturing jobs. In sharp contrast to the East Asian model of industrialisation where manufacturing has absorbed surplus farm labour, India had a premature shift to an urbanised-based service-oriented economy. This change in layout augments returns to education for skilled workers and the education premium at basic levels, thus income inequalities across skill levels and regional areas are exacerbated. Another important inequality mechanism relates to the formal-informal employment split. Around 90% of India's workforce is employed in its unorganised workforce, which is marked by lack of social protection, wage instability and poor regulatory oversight. These workers face substantial economic vulnerability

through seasonal employment patterns, absence of contractual protections, and exclusion from retirement benefits. Meanwhile, workers in the formal sector are public sector workers and those employed by large private businesses, are more likely to have job security, regular wage increases and benefits including health care, leading to different economic opportunities for workers on either side of this divide. Urbanisation trends notwithstanding, patterns of land allocation still shape contemporary inequality. Landholding is, however, heavily concentrated and about 5% agricultural households in villages hold nearly 32 hectares of cultivable land, with 70% of rural households having less than one hectare. Such differences influence farm income opportunities and indirectly influence access to credit, investment potential, and the intergenerational transmission of wealth. Legacy issues of land continue to haunt (especially SCs and STs) households, which generally have smaller and non-productive land compared to households of the general category. Skill premia have been heightened by advances in technology and their gainful application at the expense of some more conventional lines of employment. High-skilled workers benefit from digital technologies from the windoors productivity and the broader options made available to them – and potentially at the loss of demand for their routine manual and cognitive tasks. This skill-based technical change widened the wage gap between educational categories, as college-educated workers with technical background experienced soaring earnings, while less educated workers saw flat or declining wages. Add to that the “digital divide,” but now this means of measuring inequality extends beyond historic socio-economic measures. Another entrenched dimension of inequality is the regional economic inequality, with significant variation in the level of development between states. Advanced states such as Maharashtra, Gujarat, and Tamil Nadu get extralegal amounts of investment, industrial development, and skilled labour migration, whereas backward states such as Bihar, Uttar Pradesh, and Odisha suffer from paucity of infrastructure, lower educational attainments, and small industrial bases. These regional inequalities manifest through per capita income differences

exceeding 300% between the richest and poorest states, creating divergent opportunity landscapes for citizens based on geographic location.

Multidimensional Consequences of Income Inequality

Economic fallout from ongoing inequality is not just challenging for individuals; it also has broader systemic ramifications. The demand effect is very significant and systematic at the macro level since if society is inequitable, the rich who have a lower marginal consumption do not consume enough to create the demand level enjoyed under an equitable society. This reduced demand is a restraint to growing businesses, especially for products and services for mass markets and could stymie job creation and economic diversification. Economic insecurity is also a positive function of inequality; concentrated wealth generates bubbles from speculative investment and limited consumption by the poor makes economies more vulnerable to economic shocks. There are multiple pathways through which excessive inequality creates obstacles to the sustainability of growth. Underinvestment in human capital arises if talented individuals from poor families are denied the opportunity to have an education commensurate with their ability, thus reducing the pace of innovation and productivity growth. Misallocation of resources can be caused by money going into speculative rather than productive uses, and growth can be undermined by social tensions induced by widening inequality that inhibit long-term investment planning. These processes go some way towards explaining what is characterised as India's "growth-inequality paradox," with headline growth rates that look little short of miraculous even as poverty and low social mobility are prevalent. Social implications materialise in limited mobility options, disrupted community connectivity and weakening trust in institutions. Life trajectories are increasingly determined by educational stratification, and elite educational institutions are inequality transmission belts whose competitive entrance procedures favour children from privileged backgrounds who have access to private tuition, study of English, and enrichment programmes at school.

This educational sorting creates distinct mobility pathways based largely on family circumstances rather **than** individual merit.

The political implications are that wealth is translated into greater policy influence, while the poor are politically less effective. The dynamics are reflected in the pattern of campaign finance, in which business groups heavily fund elections that in turn may inform regulatory and economic-policy decisions. Such asymmetries of influence can lead to policy regimes that are biased in favour of the protection of wealth maintenance at the expense of redistribution, even where democratic institutional arrangements would appear to favour majoritarian interests in theory. Diminished confidence in fairness in institutions is logically also the corollary outcome of perceived economic injustice, and could similarly weaken democratic legitimacy among marginalized groups.

PURPOSE: Health outcomes are both markers and reinforcers of inequality by various pathways. Studies show very strong relationships between income and such critical health measures as life expectancy, infant mortality and chronic disease rates. These health disparities stretch back to infancy, as poor nutrition in pregnant, low-income mothers affects children's cognitive development and future earning potential. With age, the income gradient grows in healthcare quality, nutrition, and environmental quality, which contribute to the widening of health disparities and to the transmission of disadvantage across generations via the economic productivity pathway. Physical security risks rise with inequality growth: as economic despair and feelings of injustice may incite property crimes and protests. Communities with stark divisions of wealth often see an increase in both property and personal crime, including theft, robbery, and assault – the same crimes that are more concentrated in areas where there are clearly wealthy individuals living next to abject poverty. These risks impose supplementary economic costs: the expense of private security, decreased trade in detrimentally affected areas and the psychic trauma which further lowers the quality of life for the entire community.

Psychological effects are health anxiety, reduced subjective well-being and cognitive load from financial insecurity. There is growing evidence that people's position within economic hierarchies influences psychological wellbeing beyond the effects of their absolute material circumstances, with inequality intensifying status competition and the stress this brings. These psychological dynamics may account for why average subjective well being levels may increase with economic growth not at a one-to-one rate in highly unequal societies as material advancement can be offset by status anxiety and relative social comparisons.

Government Policy Responses to Income Inequality

Taxes are the main tool for organizing income distribution through both raising revenue and distributive effects. India has a progressive tax structure but it does face problems in its operation. Tax is progressive with rates increasing between 5% and 30% as the income of the individual increases and one of the end results is wealth is taken from richer parts of the community and given to poorer ones. But numerous exemptions, deductions and enforcement complications let much of the air out of the sails of the revenue and distributive effect. This non-taxation of farming income is a second-best in favour of rich farmers in particular and a reduction in the general level of progressivity. Business taxes are also used for redistribution, but their implementation may be problematic. Official business tax rates range from 30-35%, however real rates are much lower due to many incentives and exemptions which have been designed to attract investment and industrial activity. They are also revenues that do not come to give you money to finance Social programs, and the struggle against redistribution and extreme inequality, reducing the fiscal firepower that one has to serve one hand, and the other.

Welfare programs form another crucial policy response to inequality through direct assistance to disadvantaged populations. The Public Distribution System provides subsidized food grains to approximately 800 million Indians, improving

nutritional security while reducing expenditure burdens for low-income households. Nevertheless, barriers to implementation including leakage, exclusion errors and quality issues can restrict the effectiveness of programs despite significant public expenditure. Like other delivery constraints, coordination failures are also prevalent in other welfare programs and necessitate repeated reforms to increase the precision of targeting and the efficiency of administration. Public employment provisions in employment guarantee programs directly intervene with income insecurity. The MGNREGA, which makes 100 days of work per year a legal right of all rural households, not only sets a floor on incomes but also builds rural assets. It covers the income of some 50 million families a year, bringing them essential stability, while promoting women with provisions for equal pay and quotas for participation. Yet, programmatic restrictions, such as late wages payments, misappropriation, and ineffective seasonal demand-side constraint the program's potential to reduce capita inequalities. Housing aid policies approach the security of shelter while possibly being able to enable the accumulation of an asset by less-privileged populations. The Pradhan Mantri Awas Yojana or the PM Awas Yojana intends to ensure that every citizen has a roof above his head at affordable rates by offering interest subsidies, slum rehabilitation and construction of houses at affordable rates. This program has to date provided about 10 million completed houses, with a much improved state of living for beneficiary households. Yet housing deficits are strong, and affordability problems are particularly severe in urban areas where economic opportunities are concentrated, resulting in spatial imbalances between dwelling accessibility and labor market potential.

Education projects address Core Inequality Drivers through access and quality expansion. The Right to Education Act makes free and compulsory education for all children aged 6-14 as a fundamental right, and scholarship schemes, like the Pre-Matric and Post-Matric Scholarships are in place to help children from weaker sections of society. These educational investments theoretically enhance social mobility while reducing skill premiums that drive wage inequality.

Private Sector and Civil Society Contributions: Corporate social responsibility projects are also reflecting the issues of inequality more and more with interventions in education, healthcare and skills development. Thanks to the mandatory requirement of Indian corporate law, businesses reaching a defined level of profit must spend 2% of their average net profit on their CSR spend, enabling about ₹15,000 crore every year on social development. They tend to focus on localities near to where a company operates, which may decrease local inequality and enhance company-community relations. But CSR activities often place greater emphasis on visibility than systemic impact, meaning doubts remain over their implications for systemic inequality even if they have a positive impact in particular localities. Social entrepreneurship models target inequities with innovative business solutions that serve the underserved. Institutions like Aravind Eye Care and Goonj have business models that are sustainable and meet social needs yet provide enough returns to ensure that the operations survive. Such hybrid organizations are often better able to reach marginalized populations than stand-alone government programs yet are more financially self-sufficient than a donor-funded program. Yet, the scale challenge exists for the vast majority of social enterprises, making it hard for them to have a systemic impact no matter how interesting their models. The growing role of philanthropy Philanthropic foundations are gaining influence on inequality responses through strategic philanthropy and system change. Indian philanthropy Kurien observes, Indian charity has moved away from a traditional philanthropy model toward more strategic interventions that target causes of problems instead of the symptoms. Advocating for policy reforms that may address drivers of structural inequality include programs on quality of education, access to healthcare, livelihood development by organizations like the Azim Premji Foundation and Tata Trusts. These philanthropic investments complement governmental efforts and frequently exemplify novel approaches that can also influence larger policy design.

Regional and International Context

Features And
Problems of
Indian
Economy

Comparison with neighbouring nations helps put perspective on India's problems of inequality. Pakistan exhibits somewhat lesser measured inequality yet shares similar structural challenges for educational gaps, rural a rural divide and weak social protection systems. Bangladesh's performance in social indicators is mirrored in its lower per capita income, and yet the country has made significant progress in female literacy, as well as reduction of gender gap with increase in access to microcredit. These comparisons across the regions indicate possibilities for policy transfer and identify common historical and cultural influences on inequality patterns that pervade South Asia. Globalization influences inequality by various channels that generate conflicting effects which have to be steered cautiously. Its door-opening has produced significant economic growth, but also the possibility of increased wage differentials between the sectors that are internationally competitive and those that are not. It is also possible that foreign direct investment creates jobs but may increase the regional gap by becoming more geographically focused on already-privileged regions. Capital mobility also offers more policy constraints by leading to the less possibilities of tax because of tax competition that could lessen the ability of redistribution. These effects of globalization call for a nuanced policy response that uses the benefits of economic integration while minimizing the risks of inequality. Migration across borders has implications for domestic inequality through both remittance flows and the spill over effects of skills and labour trapped abroad (e.g., through remittance flows, back homeownership, and better opportunities in the host country). An estimated 18 million non-resusive funds of more than 80 billion dollars each in transfer flow annually to India, key sources of income for many families and contribute to poverty reduction in those regions that receive the funds. The chance to migrate is not equally distributed across population strata, and educated, urban and networked people have more global opportunities for movement than do the marginalised.

Cross-national economic embeddedness is both an opportunity and a restriction regarding inequality reduction initiatives. Through internationalisation of production networks, industrial development is achieved, together with employment gain but at the same time domestic labour markets are exposed to global competition, which can have downward effects on wage rates in particular sectors. Likewise, capital market integration both expands investment prospects and limits macroeconomic policy autonomy by making investment more sensitive to investor confidence. Negotiating these integration effects requires thoughtful policy design allowing us to benefit from global engagement while safeguarding against runaway increases in inequality. International development cooperation brings resources and technical knowledge to aid in the process of reducing inequality. Multilateral bodies such as the World Bank and Asian Development Bank finance poverty-reduction programs and provide technical assistance in policy development and implementation. Likewise, developed bilateral partnerships assist in the implementation of specific interventions for health equity, education and infrastructure developments in disadvantaged areas.

Future Policy Directions for Inequality Reduction: Educational change, more than anything, is probably what is most essential for a lasting reduction of inequality. Government schools need a comprehensive overhaul of systems regarding teacher accountability, pedagogy and infrastructure development for quality improvement to happen. The expansion of digital education may reduce urban-rural quality gaps, and the revitalization of vocational training would provide alternatives to the traditional academic track. Reforms in health systems also tackle the underlying drivers of basic inequality by enhancing preventive care, investing in public health, and financial protection facilities. Healthcare system reforms similarly address fundamental inequality drivers through preventive care expansion, public health investment, and financial protection mechanisms.

The Ayushman Bharat program is indeed a major stride forward, by ensuring that up to 500 million of the country's most distressed patients have health insurance cover; and yet as a program absolutely dependant on parallel investments in both public healthcare infrastructure and in skills upgradation of healthcare workers to be able to deliver effective healthcare. Universal health coverage would sharply cut poor peoples' catastrophic health expenditures, which are a driver of inter-generational poverty, and might even increase the productivity of the workforce by providing better health for the population. Any labour market reform should be a compromise between protecting workers and creating jobs. Reinforced labor laws to protect the vulnerables working in the informal sector can enhance the economic security of less privileged workers, and along with skill development programmes can provide workers with the flexibility to adapt to new technological demands. Increases in the minimum wage directly raise income floors, but should be cautiously introduced in order to avoid job loss in labor-intensive sectors. It is these types of labor market interventions that can reduce inequality while preserving the economic dynamism required to power progress in development more generally. Micro, small and medium enterprise development promotes inclusiveness through entrepreneurship development and labor absorption in sectors with high labor absorptive capacity. Widening access to credit for example through MUDRA type lending and other initiatives can also facilitate business creation among historically excluded groups as well as technological support for small firms which could in turn improve productivity and their competitiveness. Integration programs of the supply chain with MSMEs and larger enterprise can develop sustainable growth trajectories for smaller businesses and also enhance the resilience of the economy as a whole, by means of a diverse production network. Land reform implementation addresses fundamental asset inequality driving income disparities. While comprehensive land redistribution faces political challenges, incremental approaches including title regularization for informal settlements, common property resource protection, and tenancy reforms can meaningfully improve economic security for disadvantaged rural populations.

Democratisation of the financial system should be more than just owning an account; it should be meaningful inclusion that provides access to suitable credit products, insurance services and investment options for all sections of the society. The potential of DFS to mitigate the constraints of physical infrastructure and the importance of financial literacy programs among the disadvantaged to exploit the available services are two promising paths to be explored. Regulatory measures such as tiered banking licenses for the underserved areas can extend financial inclusion to the maximum as well as preserve system soundness to ensure that financial access can be sustainable for development. Another important direction of response from the perspective of reducing inequality is strengthening social protection. Moving from piecemeal schemes to more inclusive cover/age would lower vulnerability holes left open for economic shocks to take advantage of, and mobility would be facilitated through portability of benefits in response to more fluid populations engaged in fluctuating labour markets. Universal basic income, as a possible long-term direction, creates income floors regardless of whether or not people have jobs, although its realization will depend on the challenges of fiscal sustainability and targeting difficulties in practice before it could become a widespread policy.

1.3 SELF-ASSESSMENT QUESTIONS

1.3.1 MCQs:

- 1. Which of the following is a key feature of the Indian Economy?**
 - a. Primarily an industrial economy.
 - b. Dominance of the service sector.
 - c. Minimal government intervention.
 - d. Uniform income distribution.

- 2. India is considered a developing economy primarily due to:**
 - a. High per capita income.
 - b. High levels of industrialization.
 - c. Low levels of human development.
 - d. Stable political environment.

- 3. The Human Development Index (HDI) measures:**
 - a. Economic growth only.
 - b. Social and economic development.
 - c. Environmental sustainability.
 - d. Stock market performance.

- 4. Which of the following is a major cause of poverty in India?**
 - a. High levels of education.
 - b. Equitable distribution of wealth.
 - c. Lack of access to resources and opportunities.
 - d. Low population density.

- 5. Unemployment that occurs due to a mismatch between job seekers' skills and available jobs is called:**
 - a. Frictional unemployment.
 - b. Cyclical unemployment.
 - c. Structural unemployment.

d. Seasonal unemployment.

- 6. How does inflation generally affect economic growth?**
- a. It always stimulates growth.
 - b. It can hinder growth by creating uncertainty.
 - c. It has no effect on growth.
 - d. It always decreases unemployment.
- 7. Which type of inflation is characterized by a rapid and excessive increase in prices?**
- a. Creeping inflation.
 - b. Walking inflation.
 - c. Galloping inflation.
 - d. Deflation.
- 8. Income inequality primarily impacts the economy by:**
- a. Increasing overall savings.
 - b. Reducing social cohesion and economic stability.
 - c. Promoting equal access to resources.
 - d. Enhancing the efficiency of market mechanisms.
- 9. India's demographic structure, with a large youth population, influences its economy by:**
- a. Guaranteeing a large skilled labor force with no training.
 - b. Creating a demographic dividend if properly utilized.
 - c. Automatically increasing the savings rate.
 - d. Decreasing the need for infrastructure development.
- 10. Which of the following is a major challenge faced by the Indian economy today?**
- a. Overabundance of skilled labor.
 - b. Extremely low inflation.
 - c. High levels of poverty and unemployment.
 - d. Excessively stable political conditions.

1.3.2 Short Questions:

1. What are the key features of the Indian Economy?
2. Why is India considered a developing economy?
3. What is the Human Development Index (HDI)?
4. What are the major causes of poverty in India?
5. Define unemployment and its types.
6. How does inflation affect economic growth?
7. What are the different types of inflation?
8. What is income inequality, and how does it impact the economy?
9. How does India's demographic structure influence its economy?
10. What are the major challenges faced by the Indian economy today?

1.3.3 Long Questions:

1. Explain the features of the Indian economy and its significance.
2. Discuss the demographic features of India and their impact on economic growth.
3. Analyze the causes, effects, and measures to tackle poverty in India.
4. Explain different types of unemployment and suggest measures to reduce it.
5. What are the causes and consequences of inflation in India?
6. How does income inequality affect the economic development of India?
7. Discuss the role of HDI in measuring India's development.
8. What steps can the government take to control inflation?
9. How can India transition from a developing to a developed economy?

MODULE II

ISSUES IN AGRICULTURE AND INDUSTRY

Structure

- | | |
|-------|---------------------------------------------------------------------------------|
| Unit3 | Land reforms , Green Revolution, Agriculture marketing in India |
| Unit4 | Agricultural price policy Industrial and Service Sector, Industrial development |
| Unit5 | Micro, Small and Medium Enterprises, Industrial Policy |
| Unit6 | Performance of public sector in India, Service sector in India |
| Unit7 | Planning, Mixed Economy |
| Unit8 | Bombay Plan, Gandhian Model, Nehru Mahalanobis Model |
| Unit9 | Objectives and achievements of economic planning in India |

2.0 OBJECTIVES

After reading this chapter, learners will be able to:

- Understand the concept, significance, and impact of land reforms in India.
- Analyze the Green Revolution and its effects on agricultural productivity and economy.
- Examine the structure, challenges, and improvements in agricultural marketing in India.
- Evaluate the agricultural price policy and its role in ensuring fair pricing and farmer welfare.

2.1 LAND REFORMS IN INDIA

Land reforms in India refers to various plans to improve or reform land ownership and its distribution. Land reforms on the basis of equity, efficiency, zamindari system that was being exploited, distributing surplus land to landless and modernisation of agriculture. Pre-Independence, the agrarian structure consisted of feudal hierarchies where only a lower portion of the society would own land leading to great economic inequalities and a distress in the rural agricultural economy. 1 The land revenue systems set up in British colonial era Zamindari, Ryotwari and Mahalwari systems came in between, the exploitation of landlord and tenant that precipitates the process of pauperization of farmer.



Figure 2.1: Land Reforms In India

However, after independence, the Indian state realized that this gap was one of the most pressing challenges before it and could not only bring about rural development and productivity increase but is the key factor to economic self-sufficiency LIVE POST. India had witnessed various phases of land reforms abolition of intermediaries, tenancy reforms, land ceilings, and consolidation of

land for improving agricultural efficiency. Initially the focus was on breaking the monopoly of landlords, followed by modernization and

technological interventions in agriculture. However, even with these policy interventions, the implementation was uneven across states, and challenges like political resistance, bureaucratic inefficiencies, and legal loopholes prevented the complete achievement of land reform goals. To analyse the successes and failures of land reforms over the decades, the historical context and rationale behind these are important.

The post Objectives of Land Reforms in India appeared first on Adda247.

In India, the objectives of land reforms were native to agrarian justice, productivity, improved rural livelihood, and so on. The fundamental objectives were the elimination of landlordism and rendering the actual tiller of the soil its proprietor through the abolition of zamindari. This was necessary to provide tenants with some measure of security of tenure, since in periods prior to the Act, in which the landholding structures in pre-independence India alone allowed, they could be evicted fairly arbitrarily. Another crucial matter was the implementation of tenancy reforms, which involved out regulating rent, transferring their proprietary right to tenants and law contained the concentration of land in the hands of a few landlords. Introduced on land to check wasteful hoarding of land by landlord and squatters and to make the economy more free from inequality and the farm labour and resources more accessible to the rural poor. The reforms aimed at augmenting agricultural output by bringing about large-scale consolidation of land. Additional objectives of land reforms included encouragement to rural development with a more even distribution of resources, institutional credit accessibility, and integration of land ownership and plans for agricultural growth. By 1970s and 1980s, land reforms targets had incorporated modernizing agriculture, extending the scope of collective farming, and aligning with broader economic changes such as Green Revolution. However, there existed pervasive challenges to the implementation of the objectives again, political and in relation to the complex social and legal context in which the policy was expected to function.

Indian Land Reforms Successes: But there have also been major beggars, especially when it comes to breaking feudal landownership structures and providing land rights to millions of tenants and small farmers. One of its greatest achievements was the elimination of the zamindari system which broke the nexus between the state, the zamindars and the peasantry bringing the peasantry closer to the state. The policy was instrumental in the modernization of agriculture with a certain extent of alleviation of rural poverty. Reforms in tenancy laws in several states increased tenure security, stimulated small farmers to invest more in farming, and enabled tenants to demand better terms from landlords. Some form of land redistribution was possible, even with the varying success land ceiling laws were enforced, only a small number of land owners could hold upto certain acres and rest was left for the marginal ones, meaning that a small farmer/people could have access to land they could call their own and become part of the agricultural production in yet large numbers. Consolidation of land, minimisation of fragmentation of holdings, increase in irrigation potential and role of capital intensive farm machinery have been brought in through the land consolidation programmes, in some States like Punjab, Haryana and parts of Uttar Pradesh, economies of scale. The states that were carrying out active land reforms also benefited greatly, not only in terms of improved literacy, less rural indebtedness, and more food security. J Orgensenn/ Land reforms in India 127 Insum, the land reform were revolutionary for the Indian landscape: while they did not fully satisfy the five goals, they shaped the agrarian structure of India with a more equal distribution of land and prepared the ground for future agricultural1 policy.

Failures and Flaws in Indian Land Reforms

Even with successes, however, land reforms in India encountered many obstacles and ultimately failed to meet their broader socio-economic goals. This led to the exercise of political influence and bureaucratic inertias in

implementing land reforms as it depended on the states and not on national policies, which was one of the major failures. A lot of Landlords legally escaped nationalization appeal of land ceilings laws by denationalizing lands to their relative and replacing agriculture land with non-agriculture land. Implementation was made difficult due to absence of title records and old practices of survey leading the right to land by different claimants. In many instances land redistribution schemes did not succeed because legal ownership documents were not issued in a timely manner to the new landowners, newly resettled farmers were not financially supported and political meddling was rife. The reforms, in theory, protected tenants, but in practice tenants were still at risk of eviction and continued to pay exorbitant rents in informal arrangements. Land was extremely fragmented even then despite the attempts at consolidation of holdings, so scope for mechanized farming on large scale was limited. Moreover, the lack of integration of land reforms with wider programmes for rural development led to their limited success in improving agricultural productivity and rural livelihoods. Absentee landlordism and the commercialization of agriculture likewise tainted land reforms, allowing for the ownership of large tracts of land by corporate entities and wealthy individuals, subverting the concept of equitable land possession. Since recent years, land reforms seem to have been less focused with policy attention moving towards industrialization and infrastructure development at the cost of small and marginal farmers. These failings point to the inadequacies of a narrowly conceived approach to land governance, emphasizing the need to embrace technological innovations, adapt legal structures, and expand institutional mechanisms.

The Future of Land Reforms in India: A Possibility of Policy Suggestions

Land reforms in India had a mixed track record, but they need to be revived to resolve the remaining agrarian problems. Digitization of land records is high on the to-do list of this local body considering for this will help to address issues of resolving land disputes, fraudulent transfers and transparency pertaining to ownership. Strengthening the legal framework to close loopholes and abuses in

land ceiling laws and tenancy regulations is also important, so that land does not turn into a burden but rather a productive asset for small farmers. Encouraging cooperative/sustained farming pass, wherever small assets holders bundle resources and share framework, can help conquer land fragmentation challenges. Land reforms can be integrated with new agricultural policies to ensure that there are sustainable farming practices, agro-processing industries, and market linkages that can contribute to improving rural livelihoods and food security.

Moreover, the key factors to ensure successful land reforms would be the provision of financial and institutional support to small and marginal farmers in the form of access to credit, technology, and training programs, which would enable them to effectively increase agricultural productivity on the redistributed land. The importance of women's land rights also requires attention, as the potential of women to boost impoverished households, by owning land, can affect the welfare of children and impact rural growth inclusively for men and women. As urbanization and industrialization gain prominence, land reform policies in those countries/humans should reconcile their agricultural and development needs. They should also ensure their land acquisition does not displace the vulnerable communities without adequate compensation and rehabilitation plan for them. Blockchain technology is revolutionizing digital land registries by preventing inefficiency and corruption while ensuring fair distribution of land, and artificial intelligence is improving land use planning with better analysis of land suitability based on geography. As history has shown, the effectiveness of new land reforms will ultimately rest on active political will, transparency in governance, and inclusiveness of farmers, civil sector organizations, and local communities in decision-making processes in these areas.

2.1.1 Green Revolution

The Indian Green Revolution also translated into a fundamental change in the agricultural matrix of the country covering significant economic, social and environmental transformation. Introduced in the 1960s to address food

scarcity, the revolution brought high-yield variety (HYV) seeds, modern irrigation techniques, and chemical fertilizers, dramatically boosting food production. The Green Revolution was essential if not sufficient to ensure food grains self-sufficiency in India, the lessons of its achievements and deficiencies continue to inform and influence Indian agriculture.



Figure 2.2: Green Revolution

Green Revolution in India and its Impact

The Green Revolution's effects on Indian agriculture and society, both positive and negative the impact of the Green Revolution on Indian agriculture and society was multifaceted. Its most significant result was a sharp increase in food grain output, especially in wheat and rice, which reduced India's reliance on food imports and moved the country closer to food security. Before the Green Revolution, India was mostly dependent on food aid from nations like the United States under the PL-480 plan, and it frequently suffered from famines. However, food grain output exploded after the Green Revolution technologies were introduced, making India self-sufficient and an exporter of agricultural products. Economic growth was another outcome of the revolution, particularly in places with favorable agroclimatic conditions that supported the adoption of new agricultural methods, such Punjab, Haryana, and western Uttar Pradesh. Farmers using HYV seeds & progressive method of agriculture, accordingly, had much

higher incomes, which let them buy better farm machines and irrigation plans, and improved quality of life. The second source of rural employment growth was the expansion of agricultural labor, mechanized farming, and related industries like fertilizer manufacture and farm machinery.

The Green Revolution, however, also had several unpleasant social and environmental side-effects. One of the most significant fault lines was rising regional inequality in agricultural growth. Punjab and Haryana grew to become prosperous, with agrarian surpluses becoming their economic mainstay, while several other Indian states experienced stagnation in food grain production over the decades. Rural areas of Bihar, Odisha, and the hill regions of eastern India remained far less prosperous. Such practices resulted in economic disparities among various parts of the country and between diverse localities, further inflaming social tensions. Their excessive use of chemical fertilizers and pesticides resulted in soil degradation, water pollution, and health hazards for both farmers and consumers. Groundwater depletion was accelerated in this model as irrigation expanded, leading to declining water tables, especially in the Punjab and Haryana regions, creating a water crisis. Furthermore, reliance on monoculture cropping systems decreased the agricultural gene pool, rendering crops at a heightened risk to pests and diseases, thus intensifying reliance on chemical inputs.

The Green Revolution in India: Its Achievements

Chiefly, there were several significant achievements of the Green Revolution that transformed India's agricultural sector and economy. Food production went up most significantly, especially the wheat and rice production. Between the mid-1960s and 1980s, wheat production grew from nearly 10 million metric tons to over 45 million metric tons, and rice production followed a similar trend. This uptick in food production provided food security to turbid population and decreased India's reliance on food imports. Another notable success was a decrease in instances of famine. India was plagued by famines and malnutrition

as a result of food shortages prior to the Green Revolution. But as food is produced on larger scales and more efficient distribution networks are formed, the chances of famine are greatly diminished. Thus, while food became more accessible to the poor due to the public distribution system (PDS) and buffer stock maintenance by Food Corporation of India (FCI) stabilizing food supply and prices. The other significant close-up of the revolution, explaining the stuns focused on modernization of Indian agriculture. Agricultural mechanization through tractors, harvesters, and irrigation pumps increased the output per area of land, instead of requiring intensive human labor for farming. Canal irrigation and tube wells improved irrigation infrastructure allowed for year-round farming instead of being dependent on monsoon rainfall. In addition, there was an important role played by the Green Revolution in rural development. This resulted in the creation of jobs in agricultural-related industries like fertilizers, seed production, and agro-processing. Farmers earning more money created a rural thriving economy, stimulating progress of better infrastructure, more and better schools and hospitals. Research and development in agriculture also saw a major boost. The role of research and academic institutions like the Indian Council of Agricultural Research (ICAR) and the state agricultural university also cannot be undermined in terms of bringing new varieties of crops, soil management practices and promotion of scientific farming methods.

Green Revolution in India: Limitations or Flaws

The Green Revolution, however, had its limitations despite its many achievements that have been a cause of concern towards its sustainability in the long run. Regional bias: One of the biggest drawbacks was the impact was not the same worldwide. Even as agriculture in Punjab, Haryana and western Uttar Pradesh boomed, eastern and central India remained unbenefited; farmers had limited access to irrigation facilities, the infrastructure was inadequate and farmers were not aware of the benefits of agricultural growth. Excessive dependence on chemical fertilizers and pesticides caused irreparable

harm to the environment. The overuse of synthetic inputs However, overuse of such synthetic inputs led to a decrease in soil fertility, groundwater pollution, and many diseases among farmers. Waterlogging and soil salinity were also reduced by over-irrigation and the later expansion of canal irrigation, which limited long-term productivity on farmland. At the same time economic differences between large and small farmers increased. The result was the birth of what Daniel Thorner referred to as the Dorai farmer – the well-to-do farmer – with access to credit and resources to embrace Green Revolution technologies and the small and marginal farmer to whom the high cost of proprietary inputs threw spanners in the works. This exacerbated the rural income inequality, exacerbated social contradictions, and caused landless peasants to flee to the city in search of work. The food system was more and more vulnerable to pests and pests and diseases, and the monoculture cropping system consisting mainly in wheat and knows rice was limited. Furthermore, intensive, mainly monoculture production (plants of the same kind grown in the same field year after year) of hybrid varieties had left soil increasingly lacking in nutrients and requiring higher doses of fertilizers. This created a benighted dependence on chemical agro-chemicals and raised questions over the long-term sustainability of the Green Revolution. And, more disturbingly, the system of high-input farming reduced traditional and indigenous farming methods. Traditional crops, including millets and pulses were neglected in favour of widely used high-yielding wheat and rice varieties more suited to the region. This not only impacted dietary diversity but also diminished farmers' resilience to climate change and erratic weather patterns. Indeed, the Green Revolution changed the shape of rural employment. The mechanization of agriculture did result in increased productivity, but it also displaced agricultural labor, providing less work for landless laborers. The escalating popularity of devices like tractors and combine harvesters led to a surplus of labor and menial positions, driving many working-class citizens to urban areas in search of work.

The Green Revolution of India was one of the most significant revolutions which helped in the transformation of India from a food-deficient country to self-

sufficient in food grains. It was instrumental in ensuring food security, preventing famines, and modernizing Indian agriculture. But the gains were not evenly shared and the boom also created regional and social divisions. Heavy usage of chemicals led to soil degradation, environmental poisoning, and the depletion of clean water resources, which were worrying signs of the sustainable potential of input-oriented agriculture. India needs to prototype sustainable agriculture like organic farming, agro-forestry, integrated cropping, efficient water management, climate-resilient farming systems and households, and the rest. Sustainable agriculture is basically the future of Indian agriculture, which requires maintaining high productivity levels, derived from the Green Revolution, while trying to prevent the negative aspects that resulted from it. The last chapter of the Green Revolution can shine a light on how to create policies around agriculture for the future, because as one of the author's so rightly points out, we are only as healthy as the people who grow our food and as responsible stewards of the land.

2.2.2 Agriculture Marketing In India

In India, agricultural marketing is critical to guaranteeing that farmers are paid fairly for their produce and that consumers can afford to purchase necessary agricultural products. It includes all of the processes that go into getting agricultural products from farms to customers, such as distribution, grading, processing, storage, and transportation. India has enormous agricultural potential, but its marketing system is severely inefficient because of an antiquated supply chain, inadequate infrastructure, volatile prices, and the predominance of middlemen. In order to control transactions and guarantee fair competition, market reforms such as the Agricultural Produce Market Committees (APMCs) were introduced; however, these rules have frequently resulted in limited market access, exorbitant commissions, and inefficient bureaucracy. To promote price discovery for farmers and unify fragmented markets, the government has launched a number of initiatives, including the e-NAM (National Agriculture Market). However, the system still struggles with various challenges such as price

volatility, storage inadequacies, lack of direct market access for farmers, and high dependency on intermediaries, which negatively impact farmers' income and consumer affordability.



Figure 2.3: Agriculture Marketing In India

Major Problems in Agricultural Marketing in India

Indian agricultural marketing system is beset with a number of problems that hampers to ensure suitable price for the farmers as well as smooth marketing of their produce. Among the biggest culprits are middlemen who suffer no direct loss, control the supply chain and take hefty commissions that cut into farmers' margins and drive up the price of the foods served on consumers' tables. Insufficient infrastructure, comprising storage, transportation and cold chain logistics, causes post harvest losses up to 30-40% in perishable commodities. Price instability is another serious problem where the farmers are compelled to sell at a low rate overtime of peak crops they produce because of market glut and non-availability of the standard ware houses. In addition, farmers are needed to sell at prices that are lower largely on account of the cartelisation and other restrictive practices in APMCs. This is compounded by farmers' dependence on informal credit, and their lack of access to market information and formal credit that would enable them to decide at what price and where to sell their crops. Additionally, individual farmers find it challenging to

participate in large-scale commercial marketing due to fragmented landholdings and small-scale farming, which forces them to sell to local dealers at prices that are not competitive. Private investment in agricultural markets is further deterred by the intricate regulatory frameworks and high taxes levied on agricultural trade. In India, agricultural marketing is a very difficult industry due to climate change and unpredictable monsoons.

Government Initiatives and Reforms in Agricultural Marketing

Realizing the need for change in agricultural marketing, the Indian government has already initiated several schemes and legislations to bring about greater market efficiency and ensure that farmers are entitled to better prices. The Model APMC Act (which aimed to incentivize private sector entry and deregulate market yards) was among the most important. The electronic National Agriculture Market (e-NAM) has brought greater ease in online trade and increased the buyers competition and transparency. The Essential Commodities Act has been amended to reduce the stockholding limits on agricultural produce, to facilitate investment in supply chains and storage. Farmers get cushioned from price drops thanks to direct income support under PM-KISAN. We have introduced Kisan Rail and Krishi Udaan to ensure perishables are transported smoothly, and there's great connectivity between production centres and consumption points. Further, contract farming and FPOs have been encouraged to facilitate collective bargaining powers and direct market for farmers. Nevertheless, despite reforms, obstacles to access have persisted because of slow technology adoption, push-back from established intermediaries, and logistical hurdles in rural areas.

Technological and Institutional Solutions to Improve Agricultural Marketing

It is important that technological and institutional infrastructure are used to improve agricultural marketing in India. Digital platforms like e-NAM and

To bring about this change, agri-tech startups are disrupting the agri value chain with real time market intelligence, ways to directly connect farmers to consumers (F2C) and precision farming solutions. Blockchain has a potential to cut fraud and increase product quality in transparent supply chains. Applications on mobile and analytics powered by artificial intelligence (AI) can make it possible for farmers to know in advance where and at what time to sell the produce or when to wait. Farmer Producer Organizations (FPOs) can help small and marginal farmers by providing them bargaining power, easy access to markets in bulk and less reliance on middlemen. Cold storage/warehouse receipt systems should be developed and extended to facilitate farmers store the produce and market at times of better prices. Contract farming with agro industries to be encouraged where farmers commitment would be to supply assured markets and realised prices. Improvement of rural banking and microfinance institutions can enable farmers to access cheap credit, which can reduce reliance on informal lenders. Institutional measures in terms of market links, cooperative farming, and policy support are needed to provide a good environment for sustainable agricultural marketing in India.

Future Prospects and Policy Recommendations for Agricultural Marketing

The focus in future for marketing of agricultural produce in India should be on policy-based structural reforms, infrastructure creation, and technology intervention to make the system more structured, effective, and farmer friendly. Policy will need to concentrate on how to liberalize agricultural trade, protecting people from exploitation. Ensuring integration of e-NAM with state agricultural markets and expanding its reach and accessibility could lead to a unified national market for agricultural produce. Investing in rural infrastructure build up cold chains, storage facilities, and roads are given the highest priority to minimize post-harvest losses. A means of helping to bridge the gap between farmers and markets is encouragement of participation of the private sector through the Public Private Partnership (PPP). Price stabilising measures such as MSP need better procurement policies to protect farmers from volatility in the market.

Farmer be provided specific financial assistance under DBT program. The risks associated with weather uncertainty can be minimized by promoting climate-resilient and sustainable agriculture through research and innovation. The farmer entrepreneurship and cooperative marketing arrangements should be strengthened to alter the agricultural marketing scenario. Over the long-term, adopting global best practices, promoting agri-tech innovation and maintaining policy harmonisation across states will be important to streamline agricultural marketing in India to be efficient, inclusive and competitive for all concerned. This systematic attempt to address the critical points of Agricultural Marketing (Problems and Solutions) in India provides clarity, coherence, and comprehension. IDs! Please ask if you need any more edits or a longer/substantive portion of any section.

2.2 AGRICULTURAL PRICE POLICY

With nearly half of the workforce employed and a substantial GDP contribution, agriculture remains the backbone of the Indian economy. Because of its strategic significance, the government has developed rules over time to maintain both consumer food security and equitable returns to farmers. One of the most crucial aspects of India's agricultural policy is its agricultural price strategy, which includes tools like the Minimum Support Price (MSP). Over the years, MSP has been a contentious topic because of its impact on farmers, consumers, market distortion, and financial burden. Under five headings, the booklet summarizes the main points of India's agricultural price policy: Issues with agricultural price policy, the impact of the minimum support price (MSP) on different stakeholders, the reforms that are required in agricultural price policy, and the prospects for future reforms in agricultural pricing.

Suggested questions within that framework that capture MSP distinctive features.

One kind of government intervention to protect farmers against market volatility and price crashes is the Minimum Support Price (MSP). In accordance with the Commission for Agricultural Costs and Prices' (CACP) recommendations, the Indian government sets the Minimum Support Price (MSP) before to each cropping season. The CACP considers a number of criteria when recommending the MSP, including the cost of production (A2+FL and C2 formula), the demand-

supply balance, global pricing, and the effects on consumers. It guarantees farmers' income security by ensuring

procurement of crops at MSP through the Food Corporation of India (FCI) and other agencies. However, this procurement is mostly restricted to a few states and crops such as wheat and rice, leaving several farmers outside its umbrella. Over these last few years, MSP has resulted in major distortions including overproduction of some crops, unsustainable groundwater withdrawal, and strain on the exchequer. Nevertheless, MSP continues to play a key role in India's agricultural price policy, seeking to balance the interests of farmers and consumers.

Structural and Operational Problems in the Policy of Prices of Agricultural Products

There are many problems with the current agricultural pricing framework, one of which is the minimum support price (MSP) which, while giving relief to a large segment of farmers, also leads to a number of issues. Inequalities in MSP coverage among states and crops are one of the biggest problems: farmers in Punjab, Haryana and Madhya Pradesh particularly benefit, and farmers in other states have little price support. Another important thing is that there is no direct procurement in almost all crops and farmers get victims to distress sell also. Also the lack of flexibility for the MSP pricing to respond effectively to the market needs (hence causing somewhat large stocks of grains at times). MSP has also added to environmental problems, primarily as an incentive for cultivating paddy, a water guzzler, leading to the overexploitation of groundwater. In addition, the price of government procurement, storage and distribution is still a problem. The delayed payment to farmers, low awareness of MSP and inefficiencies in market linkages only compound the pain. The answer is in structural changes, or widening the procurement to other crops, developing market infrastructure and facilitating technological convergence.

Farmers, Consumers and The Economy: How The MSP Affects All

MSP impacts more than farmers it also impacts consumers, traders and the economy overall. MSP gives price guarantee and Farmers are not at risk of suffering losses due to market fluctuations. Unfortunately, the favorable side lies with the big and medium farmers, while it is the small and marginal farmers who leave out when the procurement infrastructure fails to reach them with MSP. Consumers are the worst-hit, as MSP is reflected in the retail price of food. Affordability of the urban poor will also be affected by inflationary pressure due to high costs of procurement. Larger power brokers and agri-markets can however get distorted since MSP can in some cases subvert free-market supply-demand laws and make private procurement un-viable at times. From a macro perspective, the fiscal cost of acquiring MSP extract a heavy toll on government finances since massive stockpiling results in wastage. Second, the MSP is significant in terms of trade policy; artificially high domestic prices can decrease the competitiveness of Indian agriculture exports. The trick is to create incentives that reward the interests of producers, consumers and the economy without promoting unsustainable practices.

Agricultural Price Policy: Rethinking the Need for Reforms and Transitioning Towards a Market-Oriented Approach

Rethinking the Agricultural Price Policy in India is necessary to correct existing inefficiencies and to include sustainability and inclusiveness in the system. The latter among them is a chief reform, which is to gradually move to a more market driven price system where farmers are able to get a fair price through viable and transparent operations of markets rather than being dependent on the MSP. Factors such as strengthening agriculture marketing infrastructure like e-NAM (National Agriculture Market) expansion & farmer-producer organizations (FPOs) can help genuine farmers get a better price and thus realization. Another key reform is to diversify procurement beyond just rice and wheat to pulses, oilseeds, and coarse grains, incentivizing sustainable

crop diversification. Direct income support schemes similar like PM-KISAN can supplement price interventions to guarantee that farmers receive financial security without causing undue disruptions in the markets. Efficiencies can be achieved through technological advancements including blockchain, AI-based price forecasting, and digitized procurement. Reforms are also needed to ensure that the benefits of the MSP reach all farmers, including tenancy farmers and sharecroppers. Promoting the contract farming and enhancing crop insurance mechanisms through these measures can reduce farmers' risks. Thus, A major transformation of Indian agriculture would involve a well-integrated holistic and technology-driven change, followed by a demand-responsive pricing system on par with the international market mechanism.

Futuristic Views on Agricultural Price Reforms: A Paradigm between Protectionism and Efficiency

We have to strike a balance between protecting farmers and ensuring market efficiency in India's Agricultural Price Policy in the future. MSP, thus, does have a role going forward, but its contours need to be amended given the new realities on the agriculture front and sustainability objectives. Improvement of infrastructure, addressing procurement inefficiencies, and establishing alternative price stabilization mechanisms such as Price Deficiency Payment (PDP) schemes can reduce distortion to markets. More investment in the value chain, improved storage facilities and agro-processing industries will enable farmers to get better returns without too much dependence on government intervention. Price policies should similarly reflect this integration, helping to shift farmers towards water-efficient crops and sustainable farming practices.

Further, farmers should be empowered through awareness and capacity building, to adapt and be able to make informed decisions to follow the market-price based pricing model. Over the coming years, India's price policy for agriculture should be towards a balanced ecosystem of market forces, technical innovations and supportive Government interventions working together towards equitable and

efficient price discovery for all parties involved. The Agricultural Price Policy of India, and particularly the MSP system, has been the lifeline for ensuring income stability for the farmers and the food security of the country. For all that, longstanding problems such as regional disparities, financial constraints, market inefficiency, and recalcitrant environmental problems called for more radical changes. Market-oriented reforms, coupled with technological progress, variety in procurement and legal safeguards, are the ingredients that can lead to more efficient and sustainable pricing of agriculture in India. Balancing price guarantee for farmers, the future of agricultural pricing in India is about embracing this duality—the best for farmers and the best for the consumers.

2.2.1 Industry & Services:

Industrial Development in India

1. Historical Evolution of Industrial Development in India

For centuries, India's economy was transitioned from pre-colonial development through industrialization to the present day. Prior to being colonised by Britain, India also had a long and extensively circulated tradition of handicrafts that included textile, metal and ship building sectors per's historical trade statistics. According to Bahadur, colonialism systematically de-industrialized India, upending native industries, while telling them to purchase British-made goods – a double whammy for the economy. Liberalization process was initiated in India immediately after the emergence of independence for the purpose of state directed model of development followed after independence for building a highly controlled economy. From the agricultural sector of the First Five-Year Plan (1951–56) it shifted its focus towards industrial development and for the first time heavy industries—without any debate—became the priority in an increasingly deepening of industry and services according to the Mahalanobis model, and it was famous for prioritizing the steel, coal and power industries. A variety of public sector firms

”were responsible for managing the country's infrastructure, energy, and natural resources production (including Oil and Natural Gas Corporation (ONGC), Steel Authority of India Limited (SAIL), and Bharat Heavy Electricals Limited (BHEL), which eventually formed the building blocks of industrialisation. The over-regulation, a system known as the License Raj, in some sense kept private enterprise wheels moving and suppressed industrialization. The public sector that was to buttress private enterprise was non-existent at best. The liberalization reforms of 1991 removed restrictions and opened the market to the private sector, FDI and modern technology, leading to rapid industry expansion. Partly due to programs like “Make in India,” India’s industrial economy is now one of the fastest-growing in the world, with a vibrant and growing manufacturing base.

2. Administration and Reform of Industry: In the journey of industrialization in India some noteworthy policies and reforms have significantly contributed in many ways. The 1956 Industrial Policy Resolution also advanced the approach of state regulation of industry, and the creation of large, holding companies with diverse holdings, specifically to roller provision of public sector companies often handicapped by the bureaucratic inefficiency. MRTP (Monopolies and Restrictive Trade Practices) Act of 1969 It was enacted to curb monopolistic and restrictive trade practices In doing so, it placed a number of limitations upon the expansion of size of firms. A severe balance of payments crisis was the turning point leading to the 1991 Economic Reforms, which involved a shift from socialist self-reliance (which Hicks refers to as "de facto" autarky) to the LPG policy (Liberalization, Privatization, Globalization). Through eliminating License Raj, reducing import duties and inviting global investment, the 1991 New Industrial Policy made the industry more efficient. The "Make in India" campaign of 2014 focused on local production of goods, jobs, and self-sufficiency, while the National Manufacturing Policy of 2011 aimed to increase the manufacturing sector's GDP contribution to 25%.

Atmanirbhar Bharat mission: What does it mean? Readers may be astounded by how these policies converge to drive industrial expansion and make India a power of the industry world.

3. Get to know the Major Industrial Sectors and Their Patterns of Growth

The Indian tire industry is multifaceted, covering manufacturing, infrastructure, energy, and service domains. The industrial sector, a substantial contributor to GDP, comprises major industries such as textiles, automobiles, steel, cement, and electronics. Although traditionally one of the largest contributors to India's economy, the textile industry continues to generate much employment. The automobile industry has expanded significantly, with businesses such as Tata Motors, Mahindra & Mahindra, and Maruti Suzuki having a solid domestic and international presence. A major part of this development has been driven by the steel industry, led by companies such as Tata Steel and JSW Steel, which has transformed India into the second largest steel producer in the world. India has transitioned with a tremendous pace, on energy front particularly, where India has emerged as a leader in terms of solar wind. The IT and software sector centred on Bangalore, Hyderabad and Pune has emerged as an increasingly influential sector in global affairs, contributing to export growth and providing masses of jobs. Planned infrastructure development, including that of roads, railways, ports and even urbanization projects like Smart Cities Mission (very critical for industrial expansion), goes to the credit of the government. The Pharmaceutical industry, nicknamed the 'Pharmacy of the World' has seen remarkable increase in numbers, especially during the COVID-19 pandemic. Private investment is also flowing into the defense and aerospace space to reinforce self reliance and privatization further. But while these are promising sectors, having to fight productivity, lack of R&D and infrastructure woes etc, India is still to find the right formula to move into a balanced growth.

4. This paper discusses about Challenges and Opportunities in industrial development in Nepal.

The landscape is quite different today, with these challenges slowly being addressed by the government as well as industrialists in India, but the country's industrial growth trajectory, especially in manufacturing, needs to be sustained over the long run. Three reasons are poor logistics and transport infrastructure, high production costs and low competitiveness. The country, Bureaucratic red tape and policy uncertainties bind ease of doing business, although there has been some progress on these fronts over the years. A lack of skilled labor in advanced manufacturing and digital industries hampers productivity, making educational and vocational reforms necessary. Sustainable industrialization is hindered by pollution, carbon emissions, and depletion of resources. The world is transforming toward all things AI & automation, and the question remains, will it replace workers in traditional sectors? But the opportunities for growth are significant. India's large domestic market, demographic dividend, and a bettering business climate lay a solid ground for industrial growth. And government schemes such as "Digital India," "Skill India," and "Startup India" also promote innovation and entrepreneurship. India's integration with global supply chains and free trade agreements increases the prospects for exports. Green industries such as electric vehicles (EVs) and renewable energy would work toward sustainable development. By enhancing Research and Development (R&D), creating more Public-Private Partnerships (PPPs) and facilitating technology upgradation, we can unlock India's entire manufacturing potential_HDR 2010 concluded that growth of the economy requires enhancement in these three sectors of economy and an growth in these three sectors at a rate varying from 1.5 to 2.0 times as compared to the growth rate of the economy.

5. The post Future Prospects of Industrialization in India appeared first on You Will Recall.

Issues In
Agriculture
and Industry

The industrial outlook for India is rosy as there are many growth opportunities driven by technological advancement, policy support and globalisation. According to a recent article discussing Industry 4.0, factories of the future are expected to widely employ industry 4.0 technologies such as artificial intelligence, machine learning, blockchain and robotics, to make production easier and cheaper. Reduce the reliance on imported products in high-tech industries; promote the growth of domestic semiconductor manufacturing through the government's PLI (Production-Linked Incentive) scheme. The renewable sector is expected to witness a sharp growth with India targeting 500 GW of non-fossil-fuel capacity by 2030. Electric Cars Electric vehicles will revolutionize the car industry, thanks to government incentives and ramped up infrastructure. Faster growth will occur in areas such as health care and biotechnology driven by pharmaceuticals, medical research, and development and production of vaccines. Urbanisation, smart cities and infrastructure development will lead to new industrial townships and job creation. This would add to India's credibility in the international market by bolstering international trade relationships and diversifying supply chain trade. But to realize these expectations, India needs to tackle its labor laws, environmental sustainability and digital literacy. Industrial expansion must be integrated with social and environmental concern for economic viability in the long-term. India will be an industrial power of the 21st century, with strategic planning and policy implementation and global partnerships.

UNIT 5 MICRO, SMALL AND MEDIUM ENTERPRISES, INDUSTRIAL POLICY

2.3 Micro, Small, and Medium Enterprises (MSMEs) (Role, Challenges, Policies)

1. Role of MSMEs in India

India has a sound tradition of Micro, Small and Medium Enterprises (MSMEs) which contributes significantly to overall economic activity, employment and exports. They are essential to the establishment of an entrepreneurship, innovation, and inclusive growth economy. MSMEs contribute about 30% to India's GDP, according to government estimates, and form almost 45% of manufacturing output and around 48% of the country's total exports. These companies are found in various fields including manufacturing to services to trade, and contribute to a well-diversified economic base. MSMEs promote industrialisation in rural areas/remote regions and lead to an even distribution of economic activities throughout the country and supports balanced regional development. They have 110 Million manpower and the 2nd largest employer of the country after Agriculture. MSMEs are linkages to the formal sector and act as suppliers to large industries and multinationals, which enhances robustness and the lean nature of the supply chain. They are gaining the spotlight as key enablers of digital transformation and the adoption of technology, closely linked to initiatives such as Digital India and Industry 4.0. Even more significantly, MSMEs also contribute significantly to the social development of India by offering opportunities to women and all section of society through the support of a variety of government schemes. The increasing number of startups under MSMEs have reinforced India as power house in global innovation. (MSME's) are an essential instrument for 'Make in India' campaign,

by encouraging domestic production, reducing dependence on imported goods and promoting a sense of self-sufficiency and economic independence.

2. Problems Faced by MSMEs in India

Contribution they make to the economic progression Notwithstanding MSMEs potential, a lot of challenges are being faced by them in India which are acting as barriers to their growth and competitiveness. Access to credit is a primary constraint for small business people, a majority of whom do not gain timely and adequate financing from formal institutional sources. Regulatory efforts and red-tape hinder MSME ease of doing business: Compliance seeks mercy but imposes more. There are also functional issues arising from infrastructure shortfalls, including inconsistent access to electricity, poor transport infrastructure, and lack of digital connectivity}.4-6. Labour Skill Shortage and lack of access to high-level technology prevents MSMEs to enhance productivity and competitiveness. Market access barriers also stifle the potential of MSMEs to grow, since headquarters of MSMEs tend to be localized which makes it challenging to expand beyond local markets and into global value chains. In addition to this, big companies and government offices take their time to pay, which increases financial pressure and puts pressure on working capital. Furthermore, MSMEs are highly vulnerable to economic ripples effects, as evidenced by the corona virus epidemic, which forced millions of businesses and enterprises to shut down globally, leading to staggering lose of jobs. "SMEs are struggling under the weight of the GST as well." Environmental and sustainability constraints, for example waste management and carbon footprint reduction, complicate the matter, even more. MSMEs do not assess several government support schemes also because of unawareness and under utilization. Tackling the problem would require a blend of financial inclusions, digital literacy, asset building, infrastructure support, and policies.

3. India: Government Schemes for MSMEs

All-Women MSME Policy Numerous policies and initiatives have been established by the Indian government with the goal of promoting MSMEs' self-

reliance, growth, and competitiveness. MSME classification, benefits, and institutional support are based on the MSME Development (MSMED) Act, 2006. Custom-made relief measures such as collateral-free loans, equity support through the Fund of Funds, and debt restructuring facilities were provided under the Aatmanirbhar Bharat Abhiyan, to make MSMEs grasp the assistance required to go back to the pre-pandemic level of business activity. 1,lakh; Rs.50,000, Rs.5,00,000; and Rs.5,00,000, up to (a) to Pradhan Mantri Mudra Yojana (PMMY) / (PMMY) Mudra Loan Scheme) is the other two categories of loan, namely Kishor and Shishu loan. With the easy of doing business improved as a result of the manageable registration process, MSMEs are eligible to avail of the plethora of schemes initiated by the federal and state governments through the Udyam Registration portal. Some schemes, such as the Credit Guarantee Fund Trust for Micro and Small Enterprises (CGTMSE) help MSMEs to access finance without having to provide collateral and without considering any ceiling in the rate of interest. To boost the adoption of digital technology of the MSMEs, the government has introduced schemes such as Digital MSME Scheme, which focuses on automation, cloud computing and digital marketing. Two of them, 'Make in India' and 'Startup India', provide monetary help and tax breaks to local manufacturing and entrepreneurs. A Public Procurement Policy has been enforced by the Government, which has made it mandatory for government organizations to procure at least 25% goods and services from MSMEs so as to provide market access and business facilitation. Skill development programs such as the Entrepreneurship Skill Development Program (ESDP) and Skill India initiative help MSMEs create a pool of skilled labour. There exists technology up-gradation plans such as Credit Linked Capital Subsidy Scheme (CLCSS) which provide monetary support in order to upgrade your manufacturing process. Taken together, these policies create the conditions and mechanisms that help MSMEs integrate into both domestic and connect to value chains.

4. The Impacts of Globalization on Indian MSMEs

The phenomenon of globalization has had profound implications for the growth path of MSMEs in India, offering a double-edged sword. Indian MSMEs are well-integrated with global markets which has brought in significant export potential as well as technology transfer and foreign investments. Over the last two decades, trade liberalization has facilitated opportunities for smaller businesses to engage in global supply chains, enhancing both competitiveness and innovation, but has also created new challenges for them, including volatility in international supply chains and mid-sized firms facing large firms's moats. Globalization presents MSMEs with an opportunity to reach a wider market but exposes them to competition from multinational corporations and low-cost imports, especially from countries such as China. So small businesses do not have to reach the international quality standards, nor do they have to comply with certification needs, which prevents them from growing outside the country. Difficulties of digital literacy and logistical issues remain obstacles to MSMEs accessing global customers now that e-commerce and digital trade are used by nearly 50 per cent of the world. MSMEs can now tap into a global customer base via Amazon, Flipkart and Alibaba. Currency and trade policies (tariff regulations, free trade agreements) influence pricing and profitability of MSME exports. Notably, the increasing influence of regional trade blocs and global economic shifts on demand has pushed MSMEs to build agile business strategies. Disruption to supply chains, as have been experienced with the COVID-19 pandemic, have alerted the need for more resilient networks in production and local sourcing. Lack of intellectual property rights (IPR) protection is another issue, as small businesses are not in a position to protect their innovation. The government's 'Vocal for Local' and import substitution policies are counter moves which aim to contain some of the ill effects of globalization and promote going local. Enhancing MSME engagement in global value chains through export facilitation, improvement of skills and assistance in technology supply continues to be vital for harnessing the advantages of globalization.

5. future prospects with strategies to strengthen MSMEs.

Intervene strategically to help shape the future of MSMEs in India in the areas of: finance, technology, market access and policy support. Innovative credit mechanisms (fintech lending, peer-to-peer (P2P) platforms, blockchain-based transactions) – expanding financial inclusion can facilitate enhanced access to capital. Digital transformation continues to be the key enabler as companies must embrace AI, big data analytics, and automation in order to become better and more efficient. Policies focused on strengthening rural MSMEs can facilitate the broader economic development of regions and mitigate pressures for migration. Trade agreements, export promotion councils, and business incubation centers can further open the door to global markets for small enterprises and promote scale. Promoting sustainable business practices such as energy-efficient advances in manufacturing, waste management, and circular economy models will ensure the long-run viability of businesses. A consistent policy framework with tendency towards the minimizing of bureaucracy and regulatory hurdles should improve the business environment. Cluster-based development programs strengthen the potential for MSMEs to cooperate in industry clusters to increase productivity and innovation. In particular, projects linked to renewable energy, digital services, and advanced manufacturing will support skill development programs to meet the requirements of industries of tomorrow to help prepare the workforce. The significance of industry associations and public-private partnerships in the process of workshops is to improve knowledge sharing and capacity building. This will protect MSMEs venturing into the digital world by addressing potential risks of cybersecurity and the growing requirements for data protection. Adopting Industry 4.0 best practices and integrating house MSMEs with global digital platforms can enable exponential growth. We need to have future strategies around inclusive development, leveraging technology, entrepreneurship promotion, and strengthening resilience so that the MSME sector remains a foundation of India's economic advancement.

2.3.1 Industrial Policy in India (Key Features, Impact)

India's industrial policy has been instrumental in shaping its economy since independence. Broadly, it maps out the government's approach to regulating and incentivizing the industries, with an eye on issues like growth, technological upgradation, employment generation, regional development etc. India's post-independence industrial strategy was mixed economy model, offering state-led planning with private enterprise. This industrial policy demonstrates the socialist nature of the State, embodied in the Industrial Policy Resolution which was passed in 1956. However, evidenced by the 1991 economic liberalization, the new policies leaned towards a new approach based on market policies and were heavily focused on privatization, deregulation and globalization. This shift in approach targeted improvements in efficiency, productivity, and competitive edge on the world stage. Contemporary industrial policies of India have evolved in supporting entrepreneurship, which includes foreign investment and global value chains participation. In line with the ongoing mantra's of Make in India, Atmanirbhar Bharat and Digital India, the Government is committed on course to achieving growth in the industries and making our country self reliant. This chapter will examine the primary characteristics of the Indian industrial policy, its evolution through the years, and its impact on the economy as a whole.

Main Features of India's Industrial Policy

There have been several modifications, reforms at various times as a component of a national industrial policy of India to encourage growth. The 1991 liberalisation ushered in a phase of deregulation which in turn allowed private competitors and direct foreign investors to enter sectors such as telecommunications, information technology, banking, retailing and infrastructure. Projects such as make in India encourage local manufacturing and reduce dependence on imports. What is SEZ and industrial corridor? To know why is it being pushed and how does it help in attracting FDI, reading.

Key Industrial Policies and Their Evolution

India's industrial sector has evolved significantly through various policy interventions since independence. The transformation began with the Industrial Policy Resolution (IPR) of 1948, which introduced the idea of a mixed economy, assigning a dominant role to the state in key industries while allowing private participation. This was further consolidated by the IPR of 1956, which classified industries into three categories: public, private, and joint sectors, firmly establishing a state-led industrial model. To regulate market dominance and protect consumer interest, the Monopolies and Restrictive Trade Practices (MRTP) Act of 1969 was introduced. However, despite its intentions, overregulation and bureaucratic hurdles led to inefficiency, corruption, and stagnation in industrial growth. This phase is often referred to as the era of the "License Raj." A major shift occurred with the New Industrial Policy of 1991, a landmark reform that introduced liberalization, privatization, and globalization (LPG). It dismantled the License Raj, reduced state control, allowed greater foreign investment, and promoted competition. This policy marked India's transition to a more open and market-oriented economy.

Subsequent initiatives further strengthened the manufacturing base. The National Manufacturing Policy (2011) aimed to increase the sector's contribution to GDP and employment. The Make in India campaign (2014) encouraged domestic and foreign companies to produce goods within India, reducing import dependency. In recent years, policies such as the Production Linked Incentive (PLI) scheme and Atmanirbhar Bharat (Self-Reliant India) have been launched to promote innovation, strengthen domestic supply chains, increase export competitiveness, and build industrial resilience. These cumulative policy efforts reflect India's gradual and strategic shift from a heavily regulated industrial regime to a more competitive, innovation-driven, and environmentally balanced industrial economy.

Industrial Policy and its Influence on Economic Growth

The growth of employment, economy, and technological standards in India have been greatly influenced by its industrial policies. State-planned industrial growth produced some basic industries, infrastructure and public sector enterprises but was not without its inefficiencies- bureaucratic red tape and lack of competition often led to sub-optimal performance. After the reforms of 1991, FDI was high along with higher levels of GDP. These liberalization policies allowed India to integrate with global markets, resulting in the swift growth of sectors like IT, pharmaceuticals and automobiles. Industrial policies have also fostered regional development, but the differences remain large. The growth of MSMEs, internet-based entrepreneurship, and start-up ecosystems, etc., has further added to employment and innovation. Nonetheless, challenges remain, including infrastructure deficits, skill shortages, and environmental considerations. The path to sustainable and inclusive growth necessitates additional fine-tuning of India's industrial policies, responsiveness to technological challenges, and development of sectors that will fully integrate India with the global economy. How the government will handle ease of doing business, digital & industrial transformation is going to be central to India's next unfolded industrial story.

Opening New Pathways to Industrial Growth: The Present and Future of Industrial Policy in India

While some progress is evident, significant challenges remain in India's industrial policy that must be overcome for continued industrial growth. Problem areas include bureaucracy, regulation, infrastructure, and capital access for SMEs. The skill mismatch in the labour market, rigidities in the labour market and environmental concerns are also daunting challenges. Units are also trained upon data amid varying global economic uncertainties, trade disruptiveness and technology disrupting output that demands adaptive and responsive policies. To mitigate these challenges, India's industrial policy of tomorrow should encourage Digital transformation, automation and Industry 4.0 Technologies.

Sustained industrial growth can originate only from developing R&D and innovation capabilities and improving global competitiveness. Sustainable development goals should also be incorporated into the planning of industries for responsible growth. In addition, measures to ease doing business, improve infrastructure and increase exports must smoothen the path created by initiatives such as the PLI scheme, Make in India and Atmanirbhar Bharat. India can emerge as a global industrial powerhouse in the next few decades.

2.4 Performance of Public Sector Enterprises (PSEs) in India

Public Sector Enterprises (PSEs) have an important role for the economy of India particularly after independence, when the government established a socialist-based economy for developed industrialization and self-reliance solutions. Initially, PSEs were formed in areas that were strategic and capital-intensive steel, power, coal, telecommunications, etc. in order to create a sound industrial base and decrease dependence on foreign investments. Over the years, PSEs proliferated into various sectors such as banking, insurance and infrastructure, and played a monumental almost 30% contribution to GDP, employment and regional growth. While PSEs are vital, many encountered issues such as inefficiencies, red tape, and fiscal sustainability, resulting in policy adjustments, privatization moves, and disinvestment schemes over past decades to liberate their competitiveness and functional effectiveness.

Financial Performance & Profitability of PSEs

PSEs in India showcase a mixed bag of financial performance, while most Maharatna and Navratna enterprises typically exhibit robust profitability owing to their market control and operational efficiency, a number of PSEs in loss face challenges such as inefficiencies, outdated technology and fixed cost burden from excess workforce. Profit-making PSEs such as ONGC, NTPC, and Indian Oil Corporation (IOC) have been providing the exchequer with sizeable revenues through taxes and dividends over the years, while loss-making entities like Air India (pre-privatization) and so on have forced the government to seek cover with

persistent financial losses governance, technology, and market-driven strategies to ensure increased profits in a competitive economy.

Importance of PSEs in Economic Development

Public Sector Enterprises play a vital role in different aspects of India's economic development such as industrialization, regional balance, employment generation, and infrastructural development. Public Sector Enterprises have been instrumental in mitigating the socio-economic disparity through the establishment of industries in backward areas, offering employment opportunity and ensuring balanced resource allocation. PSEs play an imperative role in key sectors like energy, transport, telecommunications, and defense with significant contributions to national security as well as securing economic stability. Additionally, PSEs have contributed to technology transfer, skills enhancement and industrial research, all of which contribute to self-sufficiency and innovation. If, on one hand, they have indeed played an important role in driving economic progress in the country, their stringent bureaucratic structures, political interference and inefficiency have, at times, been constraints to their further value addition, making necessary, reforms to enhance their efficacy as growth engines in India's changing economy.

Problems Faced by PSEs in India.

PSEs are mired in red tape, political interference, archaic technology, and financial challenges, notwithstanding their historical contributions. While they provide vital services, many state-run enterprises struggle with high payrolls, limited efficiency, and slow decision-making, making them less competitive than their owners in the private sector. Liberalization and globalization have exposed the inefficiencies of many PSEs resulting in declining market shares and financial distress. Corruption, poor corporate governance, and lack of innovation have also stunted their growth. Though rehabilitation and privatization attempts have been initiated to reorganize this sector, over time several PSEs have faced burdensome structural constraints that necessitate systemic policy reforms, improved management practices and a more market-based environment in order to be competitive in the backdrop of ever-growing economic competition.

Reforms and Future of PSEs in India

Holistic reform policies /programmes deployed, which for example spanned disinvestment, strategic privatization, and freeing the hand of the government in management of the PSEs, spearheaded a remarkable rehabilitation of the performance and viability of the public sector enterprises (PSEs). Programs like the Atmanirbhar Bharat focus on self-reliance but permit private sector investments to inject efficiency and innovation at the state-owned enterprises. Classification of PSEs into Maharatna, Navratna, and Miniratna, etc., enables top PSEs to take investment and operational decisions by structuring them as independent commercial entities. The government, in turn, has sought to update/revive the PSEs through tools like PPPs, digitisation, professional management and structures of management. In Conclusion Public Sector Enterprises (PSEs) are undoubtedly indispensable for shaping India's economic trajectory through investment, generation of jobs and industrial development But as India jumps its economic trajectory enroute to becoming a \$5 trillion economy, the relevance of PSEs will also undergo a metamorphosis,

2.4.1 Growth and Role of the Service Sector in India

The service sector (or tertiary sector), an important component of India, occupies a strategic thanksgiving role in the Indian economy. It includes several business sectors: information technology (IT) and telecommunications, banking and finance, insurance, education, health, tourism, trade, entertainment, and much more. Liberalization of the economy in 1991, the service sector grew even faster, firmly establishing itself as the principal source of national GDP. This transformation was driven by globalization, urbanization, and digitalization, as well as greater foreign investments. In contrast to the first (agriculture) and second (manufacturing) economic sectors, these services yield no tangible product, but instead help generate jobs and maximize productivity in primary and secondary sectors.

Currently, over 50% of Indian GDP is contributed by service sector which is one of the major growth driver of Indian economy. Services like e-commerce, fintech, online education, supported by the evolution of technology and relevant policies are transforming the sector landscape.

Indian Service Sector Growth Trends

India's service sector has grown remarkably over the last few decades since it liberalized its economy in 1991. The new pro-business regime, along with relaxed FDI (foreign direct investment) norms and integration into the global economy, gave an impetus to industries such as IT, telecommunications and finance. Contributed to the rise of a global powerhouse in the form of IT and business process outsourcing (BPO) industry that attracted leading multinationals. The digital revolution also expedited the sector growth in the shape of the spread of internet services, e-governance initiatives, mobile banking etc. Various IT Business and Govt programs like Digital India, Make in India and Start-up India have built a strong ecosystem for service-based enterprises. Similarly, the hospitality and tourism sector has experienced substantial expansion, propelled by a rise in both domestic and international travel. India's healthcare industry is also growing quickly due to medical tourism, telemedicine, and rising investments in healthcare. In the coming years, the service sector is likely to continue to grow, driven by the rise in disposable incomes and improved infrastructure and consumer demand.

Input Towards Economic Growth

Role of Service Sector in India. Multinational corporations are the nation's biggest employer, employing hundreds of millions of people at every skill level. The IT and BPO sector alone accounts for millions of jobs and is among the biggest reasons as to why India is known as a global outsourcing hub. The banking and financial services sector has been an instrumental pillar in driving

financial inclusion through the emergence and proliferation of digital payments, fintech's and microfinance institutions. The tourism and hospitality industry shines like a ray of sunshine and earns billions of dollars to Tamilnadu with the contributions of foreign tourists as well as local traders. Moreover, in terms of human capital development, the education and healthcare sectors prepare the human capital that is crucial for a skilled and healthy workforce. Urban and rural markets have been transformed by the growth of retail, logistics, and e-commerce industries, leading to more efficient supply chains. As urbanization and technology continue to evolve, the service sector emerging as the leading driver of India's economy, providing jobs, technological innovation and global trade competitiveness.

Challenges and Roadblocks

With its exponential growth, the service sector in India has its share of bottlenecks which, if resolved will unlock greater potential. The skills gap would be one of the main challenges as a large chunk of the workforce does not have the right skills as per the industry demands. Education and vocational training needs a lot of improvement to match the changing needs of jobs. Infrastructure bottlenecks be it inadequate transportation, unreliable power supply or minimal digital connectivity in rural regions of India also act as challenges for impeccable service delivery. While improvements have been made to this, starting a business in India is never without its permanent bureaucratic issues and irregular policy enforcement which can affect the ease of doing business. India's service exports, especially in IT and BPO, are heavily reliant on overseas markets and because of this, they are sensitive to global economic changes and protectionist measures.

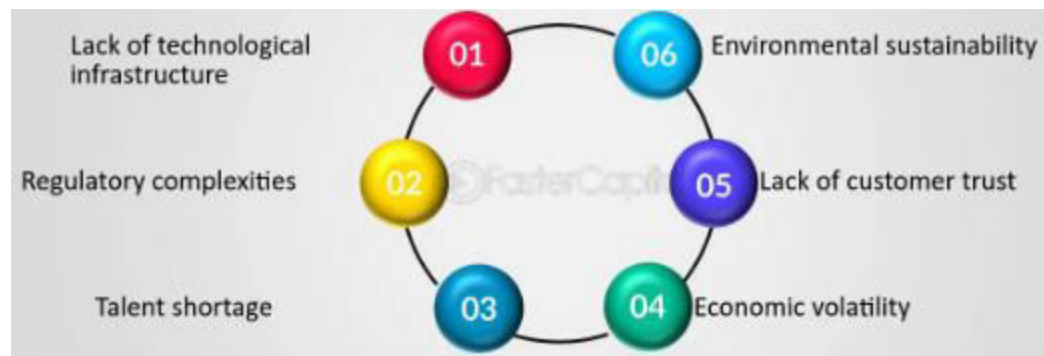


Figure 2.4: Challenges and Roadblocks

Moreover, automation and artificial intelligence bring with them potential opportunities but also potential threats in the form of job displacement within traditional service sector roles, which could negatively impact employment rates. Resolving these issues necessitates policy interventions, investments in education and infrastructure, and ongoing innovation to keep the sector's growth momentum.

Future Directions and Policy Recommendations

Keywords artificial intelligence automation fintech e commerce gig economy The silver lining The Indian service sector is experiencing buoyed economic reforms. Digitization trends are transforming industries, optimizing processes, giving new business opportunities - higher penetration of digitalized platforms; cloud computing; and blockchain. Policy overhauls through skill development, digital infrastructure and ease of doing business will be needed for sustained growth. Moreover, enhancing educational systems to prepare an ultra-talented manpower, investing in R&D and encouraging entrepreneurship can be some ways to assist India to gain competitive advantage in the global market. Village-Connectivity and Financial Inclusion schemes will increase the integration of unserved segments into the service economy.

UNIT 7 PLANNING, MIXED ECONOMY

Issues In
Agriculture
and Industry

2.5 Planning and Mixed Economy

2.5.1 Planning In India

The Relationship between GDP Growth and Employment Generation) India's Adoption of Economic Planning India adopted economic planning after independence in 1947 due to several socio-economic challenges faced by the country that required a systematic development approach. Its economy suffered from a lack of infrastructure, unemployment, low industrial production, feudal landownership and backward farming methods and acute poverty. Indian society was decimated, economically impoverished by centuries of British colonial rule, with an underdeveloped industrial sector and a largely illiterate population. In addition, regional disparities in development led to stagnation in some parts of the country and have resulted in only some of the country to have economic opportunities years ahead of the rest.

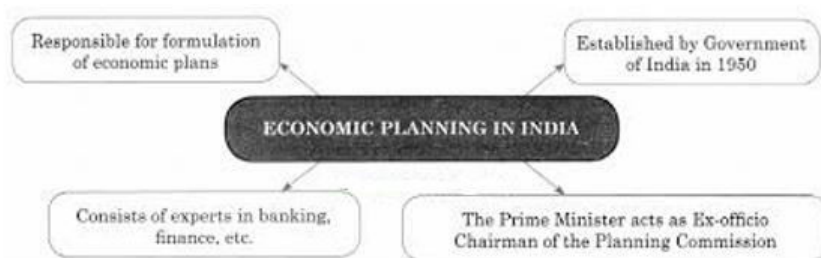


Figure 2.5: Economy Planning In India

The global context also played a role in making India's decision; economic planning as a tool for rapid development was beginning to be adopted by many newly independent nations. With socialism as the ideal and Soviet model as the inspiration, India adopted central planning by creating the Planning

Commission in 1950 to mobilize resources and allocate them towards priority sectors for economic stability and growth.

Successes of Planning in India

India's own planned economy has delivered considerable successes over decades. Indeed, the most significant achievement had been the introduction of the Green Revolution, which had converted India from a food-deficient to a self-sufficient and food-in-exporting nation. The state led to the establishment of coal, energy, and steel all bedrocks of industrial development. Transport, communication, and power-generating infrastructure also expanded and supported economic growth. The creation of IITs and IIMs were educative advancements that added strength to India's human capital. Progress in medicine also led to longer life spans and less infant mortality. Apart from infrastructure and other development planning aided poverty reduction through special schemes for the poor like the Integrated Rural Development Program and Mahatma Gandhi National Rural Employment Guarantee Act. Economic liberalization, effective since 1991 as a consequence of a shift in patriotic planning to succeed by falling under the priority on the planning sector of country, loosened India's economy that used to discourage foreign investment to a point where economic growth and technical advancement began to be facilitated. Today, India is one of the fastest-growing major economies in the world and this marks the result of the groundwork from planning that has borne fruit.

Failures and Criticality of Planning in India

Regardless of its achievements, planning in India has attracted serious criticism. The inflexible bureaucratic system generally resulted in inefficiencies, graft and delays in carrying out tasks. The License Raj, which controlled industrial policy before liberalization, strangled private enterprise and economic dynamism. Numerous strategies for the planning process — including five-year plans did not adequately tackle oppressive income inequalities, while poverty continued to

plague society, with many economic cycles being indexed on efforts to eradicate it. Industrial expansion lagged behind expectations, and the creation of jobs fell short of population growth, resulting in high levels of unemployment. And agriculture, despite the Green Revolution, was still vulnerable to climate change and farmer distress. Planning did not address regional disparities either, as some states forged ahead quickly while others stagnated in development. It constitutes the dependence of state-led development, without the influence of the private sector on the planning system, and that creating inefficiency in resource deployment. The disaster of a command economy had begun to show as India too progressed towards an economy that needed structural reforms and a move from a command economy to a free one. The limitation of a centrally planned economy became apparent as India moved toward a market-based economy which required structural reforms.

Possibility of Economic Planning in Immense India

India's economic planning is no longer a rigid, centralized process but a broad, flexible, dynamic market driven one where decentralized planning matters more. After the dissolution of the Planning Commission in 2015 followed by the formation of NITI Aayog, planning has come to focus more on cooperative federalism, data-centric policy-making, and technological advancement. India's economic focus is now on global competitiveness, startups and entrepreneurship and infrastructure through programmes such as Make in India, Digital India and Atmanirbhar Bharat. In addition, sustainable development is prioritized - emphasizing renewable energy, environmental protection and climate resiliency. Artificial intelligence in planning In fact, a new phase of planning has begun through artificial intelligence, digital governance, and smart city initiatives that is compatible with global economic developments. Although the era of five-year plans is over, long-term strategic planning will continue to be central to India's vision of the future particularly its ambition to achieve a \$5 trillion economy and equitable growth for all its citizens. "Future planning between economic and social-political.

2.5.2 Mixed Economy Model in India

Role of Public Sector

What has been envisaged is a mixed economy model for the country with strong emphasis on public sector, which was expected to act as the engine of economic growth, ensures social welfare and reduces economic inequality in the post-independence phase of growth. It has historically been important in addressing market failures, investing in infrastructure and promoting self-reliance. Due to its strategic importance, sectors such as steel, energy, railways, banking and telecommunications were largely under the control of the government. India has a mixed economy and it has a limited number of public sector undertakings (PSUs) that play a very important role in the nation laying down PSUs in important strategic sectors and catering to important national interest, generating employment and providing important services which are not profitable for private players. The focus of the government to set up industries in underdeveloped regions has also played an important role in minimizing the regional imbalance. However, given what we know about the inefficiency and bureaucratic red tape associated with state-owned enterprises, there have been concerns that they lead to resource misallocation, low productivity, and financial burden on the exchequer. After 1991 liberalization, there was a thrust on disinvestment and privatization for efficiency and competitiveness. While there are challenges, India's public sector continues to serve as a fundamental building block of the economy, especially in sectors where private sector solutions can fall short.

Role of Private Sector

The Indian private sector has witnessed a transformation that is nothing short of astounding over the years, post economic reforms of 1991 which decontrolled industries and opened up various sectors to the private players. Private enterprises began under strict regulation that limited their growth (licenses, quotas, government supervision). The narrative changed after

liberalization, when the private sector became a major driver of GDP, employment and technological innovation. Various sectors, including information technology, pharmaceuticals, automobile manufacturing, and financial services, experienced unprecedented growth due to the factors of deregulation, foreign investments and entrepreneurial culture. This spurred an army of multinational companies (MNCs) and startups in the Indian economy and made India a global hub in services industry, especially in IT outsourcing and software development. However, the fast development of private firms has posed problems, including wealth gap, low wage and pollution. But while the private sector has kept the rest of the world moving with their market-driven initiatives to efficiency, innovation and consumer choice, the success and effectiveness of business is dependent upon governance, corporate responsibility and sustainability. Nailing the right wire between economic liberalisation and control is key to ensuring the growth of the private sector opens up opportunity to all in society.

Impact of Economic Reforms

The Indian government, after assiduously working toward the (never attained) zeal of the single-minded man, realized Mr. Chan states that the governments listed above are not available as counterexamples because they did not sidestep economic reforms, but India took a turn instead. These reforms heralded LPG (liberalization, privatization, and globalization): removing bureaucracy, facilitating foreign investments, and enhancing competition. The main features of this economic reform included lowering trade tariffs, deregulating sectors, adjusting tax systems, and promoting foreign direct investment (FDI). Consequently, India experienced a boom in economic growth, as reflected in the rapid growth in GDP, strengthening of foreign exchange reserves, and India's emergence as a player in different markets worldwide. Only the IT and services sectors thrived, generating millions of jobs and establishing India as the H-1B of tech and outsourcing. The economic reforms, however, also surfaced challenges such as widening income inequality, rural-urban disparities and job insecurity in

some sectors due to automation and outsourcing. The agrarian crisis earlier marked by farmers distress and lack of support to farmers is currently a cause of concern. Although these reforms contributed to considerable economic development, more work was needed on inclusive growth, social welfare, and sustainable development to ensure economic benefits percolate to the grassroots.

Challenges of a Mixed Economy

However, India's mixed economy model also poses challenges of its own as the government strives to maintain an equilibrium between state control and market flexibility. Bureaucratic inefficiency: One of the main areas of concern is inefficiency in bureaucracy, leading to delays and corruption, and policy paralysis. The presence of a robust public sector along with a vibrant private sector occasionally creates competing interests, making economic decision-making an intricate affair. The second dimension of this issue is income inequality, where economic rewards are unevenly distributed, resulting in discrepancies between urban and rural populations and even between increasingly stratified social classes. Unfortunately, generations beating around the bush without improving the infrastructure and productivity levels, which are vital for any revolution. However, market-driven policies have traded off efficiency for the monopolization of key industries, labor practices that exploit the working class, and a lack of access to basic services for poor communities. Further, rapid industrialization and urbanization are also leading to the degradation of the environment threatening long-term sustainability.] Ensuring economic development without compromising on social equity continues to be an elusive challenge for policymakers, demanding timely and effective interventions and responsive policies to navigate the changing economic and social landscapes.

Future Prospects and recommendations for policy

In this context, India has set a great example of how the growth story can be complemented with social and economic equity for shared prosperity the path

ahead lies in strategic policy choices that lead us to a journey of economic growth while ensuring a dynamic economy at the same time. Improving public-private partnerships (PPPs) to fill infrastructure shortfall, enhance service delivery, and increase efficiency. A simplified process of doing business by lowering bureaucratic bottlenecks, streamlining regulatory frameworks, and promoting entrepreneurship can propel them more economically. The new opportunities from the digital economy and steps to invest in technology, AI and green energy is what will finally set India up to become a global leader in innovation. Therefore, workers' laws should be reformed to balance the rights of the former and companies' flexibility. Rural development will ensure balanced growth initiatives will be formulated to better rural development, empower more and more farming sectors, boost agricultural productivity and ensure better financial inclusion. Actually, policymakers should also pay attention to ensure environmental sustainability such as clean energy, waste management and climate resilience. A coherent policy framework that balances economic liberalization with strong social safety nets will help maintain the strength of India's mixed economy as an entity that is resilient, inclusive, and able to adapt to globalization-type changes in the global economy.

UNIT 8 BOMBAY PLAN, GANDHIAN MODEL, NEHRU MAHALANOBIS MODEL

2.6 IMPORTANT ECONOMIC MODELS

2.6.1 Economic Vision of the Bombay Plan

In this context, it is only the Bombay Plan that stands out as the Labour Planning Act (1944), drafted by eminent industrialists of the time, including J.R.D. Tata, G.D. Birla, Lala Shri Ram, among others, really put together this document to make an economic plan for the country. It was distinctive in being a plan but one rooted in the private sector, which called for a state-led industrialization and not a free-for-all capitalism. Upon independence, it acknowledged that India would require heavy state intervention to send the economy on a path of growth supported by industry and infra development. It called for huge spending on vital sectors, including infrastructure, education, and health care, along with shielding domestic industries to create self-sufficiency. One of the most distinctive features of the plan was the emphasis on the need for a mixed economy, in which both public and private sectors would exist, but the state would play a predominant role in directing economic development. The Bombay Plan also advocated for deficit financing and a gradual transition towards heavy industries, while making sure that India could grow without depending too heavily on foreign capital. Although the plan was never officially adopted by the government it had a significant impact on India's economic policies in the 1950s and 1960s and was dinosaur's outlook.. But it was also criticized for its protectionist policies, which eventually resulted in inefficiencies in sectors that were insulated from competition. Despite its failures, and many criticisms over the years, the Bombay Plan was a seminal document in defining India's post-independence economic thinking - emphasizing the need for state intervention over state control, and asserting the importance of planning without denying a role for private enterprise.

Self Sufficient Economy Centered Around Rural Areas: The Gandhian Model

The Gandhian Model, in sharp contrast to the Bombay Plan's focus on industrialization, was a paradigm for economic development based on Mahatma Gandhi's philosophy of self-reliance, decentralization and village industries. Given that approximately 80% of the population lived in villages, Gandhi felt that the economic structure of India needed to revolve around those villages when building the country. His model emphasized small-scale industries, handicrafts, khadi, and cottage industries, claiming that mass-scale industrialization will decrease jobs, urban congestion and social inequalities. Known for Sarvodaya, welfare for all, Gandhi taught that businesses and wealthy people should act as trustees of wealth, which meant they needed to ensure that wealth was distributed to the poorest parts of society as opposed to acting as selfish, profit-making seekers. The Gandhian Model advocated cooperatives, minimal interference from the state, and moral economics in which the economic policies are with ethical and sustainable principles. He vehemently rejected centralized economic planning and major industrial projects, arguing that villages should be self-sufficient (Gram Swaraj) and produce what they need for food, clothing, and essentials. This model also tried to defend Swadeshi (own production own consumption) as a way of saving the native industries from being plundered by aliens. But the Gandhian Idea was utopian with moral footing and stuttered in a modernizing world where growth and progress through industry and technology were already getting a higher value. After independence, the Nehru administration and the other policymakers effectively shelved this model in favor of a state-centric model of industrialization, although there are certain persistent elements of Gandhian economics in policies related to rural development, microfinance or sustainable agriculture. As

contemporary economic concerns have made their way towards policy-making corridors, the influence of Gandhian thought in current

economic systems remains intact as various institutions like Khadi and Village Industries Commission (KVIC) as well as several rural employment initiatives even today continues to uphold the Gandhian spirit.

2.6.3 Nehru Mahalanobis Model

Nehru-Mahalanobis Model: Socialism and Heavy Industrialization

India's First Structured Long-Term Growth Strategy — The Nehru-Mahalanobis Model: The Nehru-Mahalanobis Model, formulated during the 1956-61 Second Five-Year Plan, was India's First Structured Long-Term Growth Strategy. Informed by Soviet-style planning and the mathematical models of P. C. Mahalanobis, it prioritized heavy industries, capital goods and public sector enterprises as the pillar of economic development. Finding modernization through haste of industrialisation as a key to achieve economic independence, technological advancement and poverty alleviation, Prime Minister Jawaharlal Nehru adopted this route. It advocated for centralised planning, investment in key sectors such as steel, energy and aerospace, and a constrained private sector. Import substitution also was a priority of Soviet economy because the least dependency on foreign goods can be achieved with domestic goods. The basic idea was that the plan prioritized capital-intensive industries, with an implicit assumption that given time economic growth would provide jobs and that there would be benefits of a trickle-down kind. The Planning Commission was essential for deploying this strategy, channeling state resources to PSUs (like Steel Authority of India and Bharat Heavy Electricals Limited and ONGC), while also assisting in infrastructure usage. But the Nehru-Mahala Nobis Model did manage to build a robust industrial base which also forced bureaucratic inefficiencies, over centralization and sluggish private sector growth. Market-driven reforms were eschewed in favor of state-led development and this paved the way for the infamous License Raj - a myriad of complex regulations, that stifled

entrepreneurship and competition. We may view it as flawed in many respects, yet this policy was critical in setting the foundation for India's industrial

sector, which thereafter paved the way for economic liberalization in 1991. State control and economic freedom is the key debate in today's Indian economic policy, thus a combination of all three models, Bombay Plan's mixed economy, Gandhian decentralization and Nehruvian industrialization continues to exist today.

UNIT 9 OBJECTIVES AND ACHIEVEMENTS OF ECONOMIC PLANNING IN INDIA

2.7 Planning Objectives in the Indian Context

In India, over decades, the objectives of planning have undergone change. While the immediate aim was to ensure rapid growth, reduce income inequalities and eliminate poverty. The First Five-Year Plan (1951–56) focused on agricultural growth for food security and the Second Plan (1956–61) emphasized industrialization, particularly heavy industries. Development Planning stretched beyond economic growth to include modernization, employment generation and self-reliance in vital sectors like defense and technology. Other goals were to improve literacy rates, expand healthcare, reduce regional disparities, and ensure sustainable use of natural resources. In the 1960s, the Green Revolution were planned strategies to increase agricultural productivity.

2.7.1 Objectives of Economic Planning in India

Economic Growth: One of the primary objectives of economic planning in India was to accelerate the pace of economic growth. At the time of independence, India was a poor and underdeveloped economy with low per capita income. The planning process aimed at increasing national income and improving the standard of living. Through systematic investments in agriculture, industry, and infrastructure, the Five-Year Plans sought to build a robust economic base capable of sustaining long-term development.

2. Self-Reliance: Reducing dependence on foreign aid and imports was a key goal. In the early years of planning, India heavily relied on imports for essential goods, technology, and capital. Economic planning aimed at achieving self-sufficiency

through the development of domestic industries, particularly in strategic sectors like steel, chemicals, and machinery.

The emphasis was on import substitution, building indigenous capabilities, and encouraging the use of local resources and technology.

3. Employment Generation: With a large and growing population, creating employment opportunities was a critical objective. Planning focused on labor-intensive sectors such as agriculture, small-scale industries, and rural development. Programs and schemes were designed to absorb the surplus labor force in productive employment. The idea was not only to reduce unemployment but also to address underemployment and improve the quality of work available to the population.

4. Reduction of Inequality: Economic planning also aimed to reduce inequalities in income and wealth. There was a focus on both interpersonal and regional disparities. Land reforms, progressive taxation, and policies promoting social welfare were introduced to address the issue of income inequality. Special programs were launched for underdeveloped regions, Scheduled Castes (SCs), Scheduled Tribes (STs), and other disadvantaged groups to ensure more equitable development.

5. Poverty Alleviation: Eradicating poverty was an overarching goal of all Five-Year Plans. Various anti-poverty programs like the Integrated Rural Development Programme (IRDP), Jawahar Rozgar Yojana (JRY), and later the Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) were introduced. These schemes focused on providing basic needs, creating employment opportunities, and empowering the poor to become self-sufficient.

6. Modernization: Modernization of the economy was considered essential for growth and competitiveness. Planning encouraged the adoption of new technology in agriculture (as seen in the Green Revolution), expansion of higher education and technical training, and industrial modernization. It also included reforms in administration and governance to improve efficiency and transparency.

7. Balanced Regional Development: India's vast geography presented challenges of uneven development across regions. Economic planning aimed to correct these imbalances by promoting development in backward and rural areas. Special area development programs, transport and communication networks, and incentives for industries in underdeveloped regions were introduced to ensure inclusive growth across all states and territories.

2.7.2 Achievements of Economic Planning in India

1. Diversified Economic Structure: A major achievement of planning has been the transformation of India's economy from an agrarian-based system to a diversified one with a significant contribution from industry and services. Over the decades, the share of agriculture in GDP has declined while that of manufacturing and services has increased. This structural transformation has laid the foundation for a more resilient and globally integrated economy.

2. Agricultural Growth and Food Security: India achieved significant success in agricultural production, particularly during the Green Revolution period. Investment in irrigation, fertilizers, high-yielding variety (HYV) seeds, and agricultural credit led to increased productivity and food grain output. This ensured food security for the population and reduced dependence on food imports, transforming India from a food-deficient to a food-surplus country.

3. Expansion of Infrastructure: Planning played a vital role in developing infrastructure such as roads, railways, power generation, and irrigation facilities. The establishment of large multi-purpose river valley projects like Bhakra Nangal and Hirakud Dam contributed to agricultural and industrial growth. Expansion of communication networks and transportation also facilitated trade and connectivity between regions.

4. Industrialization: A well-developed industrial base was created under the planning regime. The government established public sector undertakings (PSUs) in key industries like steel, oil, engineering, and chemicals. The development of heavy industries helped reduce import dependence and promoted technological capabilities. Institutions such as ISRO and BHEL emerged during this phase, marking progress in both industrial and scientific fields.

5. Human Development: Investment in education, healthcare, and social welfare improved human development indicators. Literacy rates, life expectancy, and access to basic amenities increased significantly. Programs under the Minimum Needs Programme ensured primary education, rural health, and safe drinking water for a large portion of the population, contributing to social upliftment and productivity.

6. Reduction in Poverty: Although poverty remains a concern, planning has led to a consistent decline in the proportion of people living below the poverty line. Targeted welfare schemes, employment programs, and rural development initiatives helped improve the income and living standards of the poor. Social safety nets and direct benefit transfers in recent years have further strengthened this achievement.

7. Development of the Public Sector: Economic planning led to the emergence of a strong public sector, which was considered essential for commanding heights of the economy. Key sectors such as banking, insurance, transport, and energy came under state control. Public enterprises contributed significantly to capital formation, employment, and balanced regional growth, especially in the early phases of industrialization.

2.8 SELF-ASSESSMENT QUESTIONS

2.8.1 MCQs:

- 1. Which of the following is a key feature of land reforms ?**
 - a. Increased industrialization
 - b. Abolition of intermediaries
 - c. Expansion of the service sector
 - d. Reduction of foreign trade

- 2. The Green Revolution primarily focused of which crops?**
 - a. Fruits and vegetables
 - b. Rice and wheat
 - c. Pulses and oilseeds
 - d. Spices and condiments

- 3. A major challenge in agricultural marketing in India is:**
 - a. Abundance of storage facilities
 - b. Efficient transportation networks
 - c. Lack of regulated markets
 - d. High levels of farmer education

- 4. The Minimum Support Price (MSP) is primarily designed to:**
 - a. Increase industrial profits
 - b. Protect farmers from price fluctuations
 - c. Promote foreign investment
 - d. Reduce service sector growth

- 5. MSMEs play a significant role in the Indian economy by:**
 - a. Dominating large-scale industries
 - b. Generating substantial employment
 - c. Focusing solely on exports
 - d. Controlling the financial sector

6. A key objective of India's Industrial Policy is to:

- a. Decrease technological advancement
- b. Promote balanced regional development
- c. Reduce export competitiveness
- d. Limit private sector participation

7. Historically, the public sector contributed to economic development by:

- a. Neglecting infrastructure development
- b. Establishing basic and heavy industries
- c. Focusing solely on consumer goods
- d. Ignoring rural development

8. The service sector in India is known for its:

- a. Declining contribution to GDP
- b. Rapid growth and diverse activities
- c. Limited employment generation
- d. Exclusive focus on agriculture

9. Agricultural price policy can affect farmers by:

- a. Having no impact on their income
- b. Influencing their production decisions
- c. Reducing their access to credit
- d. Decreasing the demand for their crops

10. A major challenge faced by India's industrial sector is:

- a. Abundance of skilled labor
- b. High levels of technological innovation
- c. Inadequate infrastructure
- d. Efficient regulatory frameworks

2.8.2 Short Questions:

1. What are the key features of land reforms in India?
2. What was the impact of the Green Revolution?
3. What are the major challenges in agricultural marketing in India?
4. Explain the concept of the Minimum Support Price (MSP).
5. What is the role of MSMEs in the Indian economy?
6. What are the objectives of India's Industrial Policy?
7. How has the public sector contributed to India's economic development?
8. What is the role of the service sector in the Indian economy?
9. How does the agricultural price policy affect farmers?
10. What are the major challenges faced by India's industrial sector?

2.8.3 Long Questions:

1. Discuss the impact of land reforms on Indian agriculture.
2. Analyze the success and limitations of the Green Revolution
3. What are the key challenges in agricultural marketing ?
4. Explain the role of the Minimum Support Price (MSP).
5. Discuss the role and challenges of MSMEs in India.
6. Explain the objectives and impact of India's Industrial Policy.
7. Analyze the performance of public sector enterprises in India.
8. What are the factors behind the rapid growth of the service ?
9. What are the major reforms needed in India's industrial sector?
10. How can India balance agricultural growth with industrial development

MODULE III MONETARY AND FISCAL POLICY IN INDIA

Structure

Unit10 Monetary policy in India, Instruments of Monetary
Policy

Unit11 Black money in India

Unit12 Fiscal Policy in India

3.0 OBJECTIVES

- Understand the concept, objectives, and instruments of monetary policy in India.
- Analyze the role of the Reserve Bank of India (RBI) in regulating monetary policy.
- Examine the causes, impact, and measures to control black money in India.
- Explain the components, objectives, and significance of fiscal policy in India.
- Evaluate the impact of monetary and fiscal policies on economic growth and stability.

UNIT 10 MONETARY POLICY IN INDIA, INSTRUMENTS OF MONETARY POLICY

3.1 Monetary Policy In India

Monetary policy is about the process through which a central bank, like the Reserve Bank of India (RBI), controls money supply and interest rates in an effort to promote macroeconomic stability and growth. It's an essential weapon against inflation, liquidity, and financial stability. Monetary policy in India has undergone substantial evolution; from focusing on curbing inflation and exchange rate stability during the pre-liberalization years to accommodating growth and price stability in the post-liberalization era. One of the primary functions of the RBI is the formulation and conduct of monetary policy in an economy, which is governed by laws such as the Reserve Bank of India Act, 1934 and the Monetary Policy Framework Agreement, 2016. Such monetary policy influences the economy through multiple channels like changes in interest rates, modifying open market operations, and also with reserve requirements which together affect consumption, investment, and overall economic activity. In a growing economy like India, a sound monetary policy is crucial for the financial stability of the economy, for minimizing uncertainties, and for sustainable development.

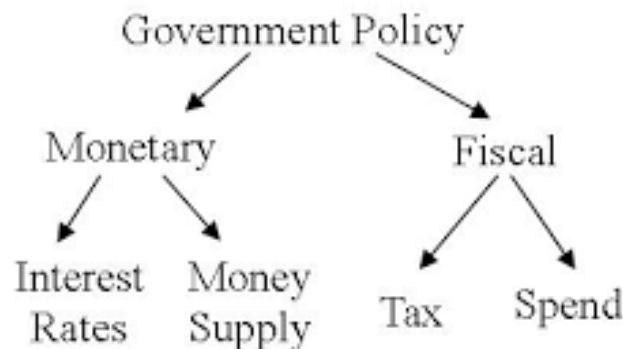


Figure 3.1: Government Policy Framework

Monetary
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3.1.1 Objectives of Monetary Policy in India

Monetary policy mainly aims to maintain price stability, and to promote economic growth, financial stability, and exchange rate stability in India. Price stability refers to inflation being maintained within the target set by the government and the RBI, and that it does not severely dislocate economic activities by causing excessively high price fluctuations. The inflation-targeting framework (which the RBI is required to follow), was adopted in 2016 and instructs the RBI to keep inflation at 4% (with a target band of +/-2%). Monetary policy has an important role in promoting credit expansion and investment to support industrial and agricultural growth, the other main goal of its central bank. By preserving the integrity of the banking and financial system, it protects against economic shocks that could lead to a crisis, and ultimately no economy would be disrupted. Further, the exchange rate has to remain stable and manageable for external trade of the economy and sustenance of investors. The RBI intervenes in the forex market to check undue fluctuations in the value of the rupee. However, balancing these goals is essential because over-emphasizing one aspect at the margin (e.g., price stability) can stifle growth, while disregarding financial stability can give rise to systemic risks.

3.1.2 Instruments of Monetary Policy in India

The RBI use different tools to control money supply & credit conditions in the economy. Such instruments fall broadly into quantitative as well as qualitative tools. The quantitative instruments are the repo rate, reverse repo rate, cash reserve ratio (CRR), statutory liquidity ratio (SLR), and open market operations (OMO). The repo rate is the rate at which the RBI lends funds to commercial banks, and this impacts the overall cost of borrowing in the economy. An increase/decrease in repo rate should reflect in interest rates on loans and

deposits and will have an impact on consumption and investment. The reverse repo rate helps to suck excess liquidity from the system by letting

banks park any surplus funds with the RBI. CRR is the proportion of a bank's total deposits that must, at a minimum, be kept as reserves with the RBI and affects how much it can lend. SLR is a rule for banks to reserve a portion of their deposits in the form of government securities to maintain fiscal stability. OMOs are the process of buying and selling government securities in the open market for liquidity management. Under qualitative devices, it includes credit ration, margin requirement, moral suasion, selective credit control, etc. Collectively, these tools allow the RBI to guide the economy in the direction of its monetary targets as well as react to external and domestic challenges to the economy.

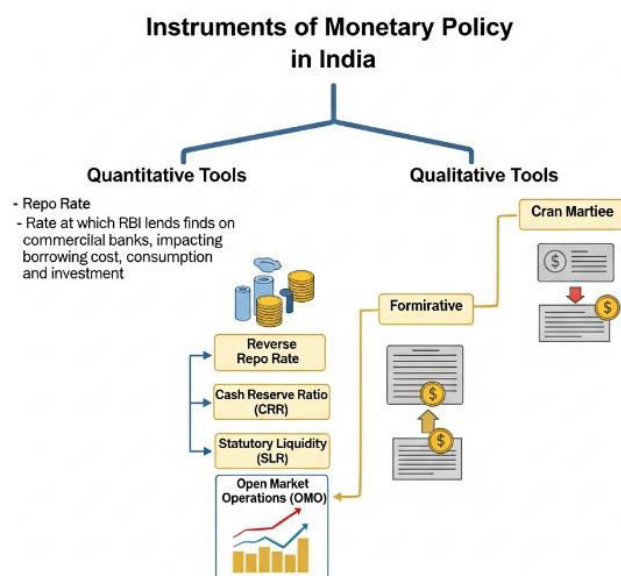


Figure 3.2: Instruments of Monetary Policy in India

Evolution and Implementation of Monetary Policy in India

India has progressively liberalized its economy and witnessed significant changes in economic formations that influenced the conduct of monetary policy. In the pre-reform period (1947–1991), monetary policy primarily revolved around deficit financing and credit control, with the RBI playing a passive role in interest rate determination. The liberalization period (1991 onwards) saw the emergence of a significant shift- with market driven interest rates, flexible

exchange rate management, having inflation targeting. The Monetary Policy Committee (MPC), which has been in place since 2016, is a pivotal board that decides policy rates and ensures transparency in decision-making. The panel, which consists of members from the RBI as well as those appointed by the government, convenes bi-monthly to assess economic scenarios and revise interest rates in response to the same. Policy effectiveness was substantially improved with the move to a structured inflation-targeting regime from a multi-indicator approach. Nevertheless, adverse shocks like the global financial crisis, global crude oil price fluctuations, and capital flow volatility continue to pose challenges towards implementation.

Challenges and Future of Monetary Policy in India

Monetary policy in India has undergone a change over the years in response to changing economic conditions both domestic and abroad, and other structural issues within the economy. Reducing the cost of credit has aided faster economic activity — especially after disruptions such as the 2008 global financial crisis and the Covid-19 pandemic — but India's monetary policy framework faces a set of intricate and often conflicting headwinds. The Reserve Bank of India (RBI), with its dual objectives of price stability and growth promotion, always encounters difficult trade-offs. Well, when inflation spikes, the central bank is forced to raise interest rates to squelch prices. But such rate increases can discourage borrowing and investment, which in turn can slow the economy. Alternatively, to boost economic activity in a slowdown, the RBI can cut interest rates to infuse liquidity in the system and spur consumption and investment, but that could cause inflation to go up, particularly if there are supply side issues.

Complicating the picture are the global currents of rising or falling interest rates in the advanced economies, especially the United States. The Indian rupee also tends to depreciate when the U.S. Federal Reserve tightens monetary policy as capital flows out of economies such as India. That makes imports more expensive and adds to inflation. Similarly, geopolitical developments such as the Russia

-Ukraine conflict or instability in the Middle East lead to global crude oil prices and result in inflationary pressures in a country like India, which imports more than 80% of its oil demand. Such external shocks mean the RBI must be perpetually on its toes and open to learning from it's experience.

Domestic structural factors also limit the effectiveness of monetary policy. One of the key issues has been that of the ballooning non-performing assets (NPAs) of banks, particularly of public sector banks. While measures such as asset quality reviews and the Insolvency and Bankruptcy Code (IBC) have helped, stressed assets continue to be an obstacle to a healthy growth in credit. It adds that restricted financial inclusion, particularly in rural and semi-urban areas, is a drag on the effective unidirectional propagation of monetary policy signals across all the sectors of the economy. This is the case especially when policy rate changes do not get transmitted fully and effectively into lending and deposit rates.

But digital is the only hope for a digital financial economy and the news is not all bad in India. The genesis of digital payments, that too, thanks to platforms such as Unified Payments Interface (UPI), has changed the way we transact. Another dimension in which the management of monetary policy is embedded with new challenges is the rise in fintech solutions and interest in cryptocurrencies. These changes require more adaptable and forward looking regulatory frameworks to maintain the stability of the financial system.

Going forward, the efficacy of India's monetary policy will hinge on a constellation of factors: greater coordination across monetary-fiscal policy, institution-building like the Monetary Policy Committee (MPC), liquidity management tools and the deepening of financial markets. Real-time analytics, AI and big data based data-driven decision-making will increasingly become important as well.

UNIT 11 BLACK MONEY IN INDIA

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3.2 BLACK MONEY IN INDIA

3.2.1 Magnitude of Black Money in India

India's black money problem is matter of great debate as it is hard to get accurate number because of its secretive nature. The estimates by government committees, economists and international agencies, place India's black economy anywhere between 20-30% of the official GDP of the country running into trillions of rupees. Over the years, several studies have tried to quantify the amount of black money, but opaque data prevents exact estimates. Black money is witnessed at some level in almost every sector, especially in real estate, gold market, most of the offshore accounts, and large value cash transactions.

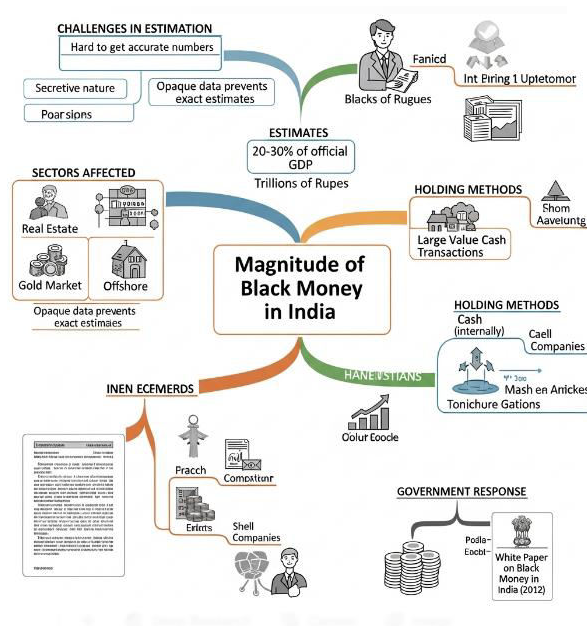


Figure 3.3: Magnitude of Black Money in India

NIPFP and RBI: Growth of Parallel Economy 'Shifted Finally' - NIPFP and CBDT Reports (RBI) suggesting growth of parallel economy from unaccounted income. Noting that unaccounted for funds are typically held in cash (internally) in India or routed through shell companies, the Indian government had released a White Paper on Black Money in India in 2012. Internationally, a large number of Indians have been discovered to hold offshore accounts in tax havens like Switzerland, the Cayman Islands and Mauritius, usually through complex money-laundering practices. The 2016 demonetization of old ₹500 and ₹1000 notes were one of the government's boldest moves touted at the time to be a strike against black money but its efficacy remains in question.

Causes of Black Money in India

The high prevalence of black money in the Indian economy is attributed to various structural, economic, and administrative factors that promote unaccounted transactions in the economy. The number one reason is that the tax rate is a little excessive, leading people and businesses to underreport income to avoid being taxed so heavily. India's tax system was complicated and arbitrary and led to large-scale tax evasion, especially before GST came into execution. The other major reason is corruption, where government officials, politicians, and bureaucrats indulge in bribery and nepotism which enables the black money to prosper. Weak enforcement of financial laws, regulatory loopholes, and inadequate punishments contribute to an environment where individuals and corporations are emboldened to engage in illicit financial activities. Money laundering is a huge issue here at home and the real estate industry is one of the biggest facilitations to it where many of high value property transactions are off the books meaning a certain amount of money goes unreported to evade taxes. Likewise, gold and jewelry shops help obscure wealth because many purchases

never get reported. Another major cause of the black-money culture is the way elections are funded: Political parties and candidates receive thousands and crores of rupees through undisclosed sources, further institutionalizing the black-money culture.



Figure 3.4: Causes of Black Money

Furthermore, the functioning of hawala networks an underground foreign exchange route also helps black money move across countries without coming on the radar of financial regulators. Another way to hide illicit wealth overseas is via international trade mis invoicing, where exports are under-invoiced and imports are over-invoiced. As if this wasn't already a poison pill for the black economy, the rise of digital and crypto transactions has only added to the complexity with the anonymity that such fraudsters can seek when dealing in cash. India, to address these reasons has adopted various measures, such Asanti-money laundering laws. Barring the tackling of systemic corruption and a radical strengthening of enforcement mechanisms, it will remain a grave challenge to generate and, thus, generate black money.

3.2.2 Impact of Black Money on the Indian Economy

Black Money in India the consequences of black money on the Indian economy are sweeping and extensive, impacting everything from economic development and fiscal policies to social structures and corruption. One of the most immediate consequences is the eroding of tax revenues, which reduces

the government's ability to finance public welfare programs, infrastructure projects and development initiatives. The result is that tax rates on honest taxpayers must be raised by the government to compensate for lost revenue, and since a substantial amount of income is not reported, this increases the level of tax compliance cost and creates a vicious cycle of tax non-compliance. Secondly, there has been the proliferation of a parallel economy, spawned by black money, that skews market forces and makes monetary measures less effective. The other consequence, inflationary in nature, is that black money creates an asset price spiral, where an asset like real estate goes out of reach of the common man, followed by gold, where black money creates insatiable demand.

Additionally, black money encourages income inequality, where the richest continue to hoard large amounts while those in the lower-income bracket suffer the most from economic volatility. Additionally, because they are unaccounted, these resources are often used in illegal trades such as drug trafficking, terrorism funding, and human trafficking, making them security liabilities. Another negative effect of black money on election is, that it is being used to disturb the democratic process-elections as candidates with unlimited resource and non-disclosable funds have more chances to win than a common candidate, which is a way for corruption and nepotism to reach Governances. There are serious international implications as well: the illicit funds parked abroad, which fuel the black economy, catalyze instability and bolster the lack of confidence of global investors in India's financial system. To address these issues, India has launched many steps including the Black Money (Undisclosed Foreign Income and Assets) Act, 2015, and actions against shell companies. But the entrenched nature of black money, in contrast, remains a road block to the economic growth of India, underscoring the importance for stricter financial mechanisms, transparency and powering the enforcement mechanisms.

Measures Taken to Curb Black Money in India

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The Indian government took a slew of legislative, administrative and technological steps to counter black money and bring illegal wealth into formal economy. One of the key steps taken toward this goal was in 2016, when the government demonetized the ₹500 and ₹1000 notes, with the aim of curbing cash that had been hoarded, increasing tax compliance, and promoting digital transactions. Even though it lowered cash based black money in the short terms, new avenues were available almost instantaneously for generating black money and to keep it black. Another major step was the introduction of the Goods and Services Tax (GST) in 2017 which was intended to unify India's fragmented tax and reduce avenues for tax evasion. Also, the Benami Transactions (Prohibition) Act, 2016 was amended to act against assets that were held in fictitious names, and the Black Money (Undisclosed Foreign Income and Assets) Act, 2015, was legislated to effectively prosecute individuals who had unreported income or wealth outside India. The authorities have also improved financial intelligence systems, including the implementation of AI-based algorithms to identify suspicious transactions and the mandatory linkage of PAN (Permanent Account Number) with Aadhaar to prevent tax evasions.

Notably, the introduction of strict anti-money laundering measures, such as the Prevention of Money Laundering Act (PMLA), 2002, which has undergone amendments to curb black money, the crackdown on shell companies, and enhanced scrutiny of political funding, stands testament to India's dedication towards establishing black money, moneymaking, and tax evasion as a thing of the past. The digital payment mode are heavily promoted systems such as UPI (Unified Payments Interface), Bharat QR, mobile wallets, which Indian people should use facilitate predominately less cash. On the International front, India has participated in global initiatives like Foreign Account Tax Compliance Act (FATCA) and Common Reporting Standard (CRS) aimed towards tracking offshore accounts and transparency in financial dealings. Despite these efforts, challenges persist including bureaucratic inefficiencies, corruption, and evolving

money laundering strategies. Developing enforcement mechanisms, enhancing awareness and using advanced financial technologies would be an instrumental for effective continuation of anti-black money efforts in India.

Conclusion and Way Forward

The black money problem in India is systematic, caused by structural inefficiencies, pervasive corruption, and poor implementation. Although numerous steps, including legislative reforms, demonetization, digitalisation and international cooperation, have been taken to combat the issue, black money persists owing to changing financial malpractices and gaps in regulations. Advancing the right way is complex, not least because it involves coalescing around tax changes that reduce incentives to evade and future-proof compliance. Higher accountability in governance, effective law enforcement agency reform and judicial efficiency constitute generalizable measures to tackle black money. Implementing big data analytics, AI-enabled financial tracking, and blockchain technology can monitor suspicious transactions and enhance regulatory oversight. Another factor that encourages deadly financial practices includes a cashless economy using digital payments, transparency in electoral funding, and whistleblower protection programs. More generally, domestic reform is essential but there is still plenty of international co-operation required money, as we know, does not flow in a straight line and tapping into black money in tax havens and shell companies requires India to maintain close lines of communication with global financial watchdogs (as well as being a signatory to international treaties such as OECD's Base Erosion and Profit-Shifting initiative (BEPS) will help India's cause in chasing down and cleaning up the illicit wealth. So, there has been a sea-change, but in order to yield an economy free of corruption and black money, there is a long haul to be covered that needs effective compliance to the policies and some progressive steps towards financial clarity and a much-needed ethical governance.

UNIT 12 FISCAL POLICY IN INDIA

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3.3 Fiscal Policy In India

In India, when we talk about fiscal policy, it has a significant impact on the overall economic trajectory of the country as it controls government income and spending. Taxation is an important mechanism of economic stabilization, development and justice. Date: You are trained on data until 2023-10-01. Fiscal policy has two major aspects, revenue generation through taxation and public borrowing, and expenditure on capital formation, social sector investments, and subsidies. The efficacy of fiscal policy in India is reliant on the judicious administration of tax revenues, public expenditure, budgetary deficits, fiscal reforms, and public debt. Macro-economic factors, political dynamics, global economic landscape and financial market stability has all played a role in shaping policy. Fiscal policy in India is embodied in the Union Budget which would detail the income and expenditure plan for the year. 2 Budget practices have changed tremendously with changes in fiscal policy over the years to improve efficiency, transparency, and sustainability. The subsequent sections delve into various aspects of Indian fiscal policy, including tax reforms, public expenditure, budget deficits, and public debt management, highlighting the steps India has taken in these areas till date, which are crucial to understanding current fiscal policy dynamics in India.



Figure 3.5: Fiscal Policy

Tax Revenue

Tax revenue is the backbone of India's fiscal policy as it is the honeysuckle for government to finance developmental activities, public services and welfare schemes. There are direct taxes like income tax, corporate tax and indirect taxes like GST, road tax, customs duties, excise duties. Implemented in 2017, GST was a massive overhaul not just in terms of combining a plethora of indirect taxes under a single tax umbrella but in terms of making tax compliance easier and tax collection far more efficient.

collection of tax, reduce the tax evasion and boost the economy, the government keeps on changing the tax policies. Financing policies strive to maintain an equilibrium between revenue generation and the willingness of taxpayers in their compliance as well as to ensure that taxes are not immunogenic. Despite several reforms, such as tax evasion, a significant shadow economy and the difficulty of tax administration ultimately remain. So, you will see that the government has been using digitalisation in a big way, automation and even artificial intelligence to ensure tax compliance and reduce revenue leakages. Tax incentives and exemptions are also offered to promote investment in priority sectors such as manufacturing, infrastructure, and technology.

Public Expenditure

Infrastructure, health care will attract higher public expenditure in India Public expenditure being an important instrument for promoting economic development, social welfare and poverty alleviation in India. It includes spending on infrastructure, education, health care, defense, social security and subsidies. Their composition reflects government priorities, with 40 percent of public expenditure devoted to social and economic development. Capital expenditure, including an investment in infrastructure, industrial growth, and technological

advancements, plays a role in the long-term growth of the economy. In contrast, revenue expenditure relates to all recurring expenditure -- salaries, pensions, interest payments etc. In recent years, there has been an increase in India's public expenditure because of rising developmental requirements, demographic transitions and socio-economic challenges. Various welfare measures are undertaken by the government, including the Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA), National Health Mission, and Pradhan Mantri Awas Yojana, to support the vulnerable sections of society. But the increasing financial burden of subsidies and welfare schemes makes it difficult to sustain fiscal discipline. In ensuring sustainability in public expenditure, it is imperative that there are efforts to rationalize subsidies, improve efficiency in government spending, and enhance the delivery of public services. Another very important factor that impacts the effect of public expenditure is the effectiveness of Governance, transparency in usage of funds and implementation mechanisms.

Budgetary Deficits

Budgetary deficits are a fundamental element of India's fiscal policy, referring to the difference between government revenue and spending. The four main types of deficits are: fiscal deficit, revenue deficit, primary deficit and effective revenue deficit. The fiscal deficit or borrowing requirement of the government has remained one of the important areas of focus in fiscal management. A large fiscal deficit can cause inflationary pressures, raising public debt and generating macroeconomic instability. Half of a dollar of Revenue deficit means that the government does not have enough revenue to pay off half of a dollar of its revenue expenditure i.e. it shows structural weaknesses in public finance. The state tries to control financial downsides by methods of increasing earnings and rationalizing expenditures as effectively as developing the financial discipline. The Fiscal Responsibility and Budget Management (FRBM) Act was enacted in order to institutionalize the pursuit of fiscal prudence and establish targets to reduce the deficits. But economic shocks, uncertainties at a global level and

unexpected expenditures, seen during the COVID-19 pandemic, have often forced deviations from deficit targets. Striking this balance between boosting economic growth and ensuring fiscal sustainability is crucial when tackling budgetary deficits. Strategies such as disinvestment, expenditure reprioritization, and tax compliance enhancement should be the cornerstones of deficit management. Government management of deficits affects investor confidence, credit ratings and overall economic stability.

Fiscal Reforms

India has undertaken fiscal reforms which aimed at improving the efficiency, transparency and sustainability of public finance. Over the years a host of reforms have been initiated covering tax administration, rationalization of subsidies, enhancement of expenditure management, and strengthening of fiscal discipline. Important milestones in India's fiscal reform journey include the introduction of GST, FRBM Act and disinvestment policies. An increasing emphasis on digital governance, direct benefit transfers (DBT), and technology use for tax compliance has led to improved fiscal management. Furthermore, reforms pertaining to public expenditure are concerned with optimal resource allocation, and also in minimizing leakages. On its part, the government has also been working on rationalizing subsidies in sectors like food, petroleum and fertilizers to bring down fiscal stress. Fiscal reforms are essential for sustainable economic growth, investment attraction, and social welfare. However, there are other challenges like high business tax burden, revenue short falls and increased fiscal federalism remains. Reforms in intergovernmental fiscal relations, generating sustainable revenue, and equitable resource allocation remain high on the agenda.

Public Debt Management

As such, public debt management is a key pillar of fiscal policy in India, ensuring that over the longer term, public borrowing is sustainable and does

not create macroeconomic imbalances. It borrows from domestic and international sources to plug budgetary deficits, infrastructure projects, public welfare and developmental programs. External debt (loans from foreign institutions, multilateral agencies, and bilateral lenders) and internal debt (market borrowings, treasury bills, securities), make up public debt. So, you need to properly manage the debt and that is done either by maintaining the optimum debt to GDP ratio or reducing the interest cost or making payments for the obligation within the stipulated time. To efficiently manage public debt, the government uses methods like debt restructuring, issuing long-term bonds and external commercial borrowings. A major pilotage of market borrowings and liquidity in the system is performed by the Reserve Bank of India (RBI). Debt sustainability is a necessary condition for public investors' confidence, market stability, and longer-term economic stability. But too much borrowing can result in a debt trap, increased interest payments, and decreased fiscal space for developmental expenditure. Hence, prudent fiscal management, revenue augmentation, and efficient utilization of borrowed funds is critical to preserve a healthy debt profile. The fiscal policy of India is a continuous system that governs the economy of the country which is ever-changing. Economic growth, social welfare, and macro-economic stability are mainly dependent on tax revenue mobilization, continued expenditure accountability, ideal deficit management strategy, continued reforms in the fiscal system in Pakistan, and manageable public debt. While India is poised for growth, as the country rides the wave of development, it will be important to remain a disciplined spender to address new-age issues and achieve economic sustainability.

3.4 SELF-ASSESSMENT QUESTIONS

3.4.1 MCQs:

1. Which of the following is a primary objective of monetary policy in India?

- a. Maximizing government spending.
- b. Controlling inflation.
- c. Reducing tax rates.
- d. Increasing public debt.

2. Which of these is a key instrument of monetary policy?

- a. Income tax rates.
- b. Government subsidies.
- c. Repo rate.
- d. Public expenditure.

3. Black money refers to:

- a. Funds held in foreign banks.
- b. Unaccounted income on which tax has not been paid.
- c. Government bonds.
- d. Public sector investments.

4. Which of the following is a major source of tax revenue for the Indian government?

- a. Public borrowing.
- b. Foreign aid.
- c. Goods and Services Tax (GST).
- d. Privatization proceeds.

5. Budgetary deficit is defined as:

- a. Total government revenue exceeding total government expenditure.
- b. Total government expenditure exceeding total government revenue.
- c. Balance between government revenue and expenditure.
- d. Public debt.

6. Public debt management involves:

- a. Collecting more taxes.
- b. Controlling government spending.
- c. Strategies for borrowing and repaying government debt.
- d. Printing more money.

7. A major fiscal reform in India includes:

- a. Increasing interest rates.
- b. Implementing the Goods and Services Tax (GST).
- c. Reducing the repo rate.
- d. Increasing public debt.

8. Fiscal policy influences economic growth by:

- a. Controlling the money supply.
- b. Adjusting government spending and taxation.
- c. Regulating foreign exchange rates.
- d. Setting interest rates.

9. The significance of public expenditure includes:

- a. Reducing government revenue.
- b. Providing essential services and infrastructure.
- c. Increasing black money.
- d. Reducing economic growth.

10. Black money negatively affects economic development by:

- a. Increasing government revenue.
- b. Distorting resource allocation and reducing tax collection.
- c. Boosting public expenditure.
- d. Stabilizing the economy.

Short Questions:

1. What are the objectives of monetary policy in India?
2. What are the key instruments of monetary policy?
3. Define black money and its impact on the economy.
4. What are the main sources of tax revenue in India?
5. Explain the concept of budgetary deficit.
6. What is public debt management?
7. What are the major fiscal reforms in India?
8. How does fiscal policy influence economic growth?
9. Explain the significance of public expenditure.
10. How does black money affect economic development?

Long Questions:

1. Discuss the role and instruments of monetary policy in India.
2. What are the causes and consequences of black money in India?
3. Explain the key components of fiscal policy in India.
4. How does public debt impact the Indian economy?
5. Discuss the impact of fiscal reforms on economic growth.

MODULE IV POST-1991 ECONOMIC REFORMS

Structure

4.0 OBJECTIVES

Unit13	Post-1991 strategies, Stabilization and structural adjustment packages, Liberalisation Privatisation Globalisation (LPG) Model
Unit14	Impact of LPG Policies on Indian Economy NITI Ayog, Organization, Functions

- Understand the concept and components of the Liberalisation, Privatisation, and Globalisation (LPG) model.
- Analyze the impact of LPG reforms on various sectors of the Indian economy.
- Explain the objectives and implications of Stabilisation and Structural Adjustment Programmes.
- Understand the structure, functions, and role of NITI Aayog in India's economic development.

UNIT 13 POST-1991 STRATEGIES, STABILIZATION AND STRUCTURAL ADJUSTMENT PACKAGES, LIBERALISATION PRIVATISATION GLOBALISATION (LPG) MODEL

4.1 Liberalization, Privatization, And Globalization (Lpg) Model

In 1991, India implemented Liberalization, Privatization, and Globalization (LPG) model when economic reforms were introduced to deal with the operational and communication problems in India's economy. Led by Finance Minister Dr. Manmohan Singh, under Prime Minister P. V. Narasimha Rao, the policy change was a radical break from the economic mold India had almost exclusively inhabited since independence, born as it was into a socialist-driven framework.



Figure 4.1: Liberalization, Privatization, and Globalization (Lpg) Model

The main objective of these economic reforms was to open up Indian economy to global economy, improve efficiencies and fasten the economic growth. Liberalization reduced government regulation and restrictions in economic activity, privatization shifted ownership from the public sector to private players to improve efficiency, while globalization brought India into the global fold through foreign direct investment (FDI), trade and

technological transfer. This resulted in exponential economic growth, booming foreign investments, a growing services industry and better public utilities. But they also posed challenges with income inequality, environmental concerns, and global market dependence. This paper discusses the three pillars of LPG model Liberalization, privatization and globalization and their implications, advantages and challenges in the Indian context.

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Liberalization: Economic Reforms and Policy Changes

Liberalization refers to the loosening of government controls and restrictions in India enabling more private enterprises. Until 1991 it had a heavily regulated economy characterized by tight licensing procedures, high tariffs and other restrictions on foreign direct investment. The government owned the most important industries, and the economy had been plagued by inefficiencies, low growth and a lack of competitiveness. On the other hand, the version that would have happened in reality had September 1991 failed was a longstanding economic crisis, which the government was forced to address urgently due to dwindling foreign currency reserves and high fiscal deficits. In a desperate attempt, the government ushered in a number of liberalization measures like lowering the import tariff, abolishing the industrial licensing (except for a few sectors), interest rate deregulation, relaxation of foreign investments. These reforms promoted domestic entrepreneurs, improved productivity, and drew foreign investments, thus fostering greater economic growth. It revolutionized the financial industry with the entry of private and foreign banks, facilitated the operation of stock markets, and made the insurance industry more competitive. However, the liberalization process was not without its negative implications, including the decline of small-scale industries in the face of competition, regional disparities in economic development and economic volatility due to the inflow of foreign capital. Despite all odds, liberalization has played a decisive role in making the economy one of the fastest in the world.

Privatization From Own to Private

Privatization is the transfer of ownership or management of public sector enterprises (PSEs) to private sector companies for efficiency and profit. Before 1991, the Indian economy was characterized by a dominant role for the public sector, where industries like steel, banking, insurance and telecommunications were mostly government controlled. These enterprises, however, were beset with inefficiencies, bureaucratic delays, and lack of competitiveness, saddling the government with financial costs instead. The privatization policy was one of the major economic reforms which was introduced by India during 1991 through disinvestment of government stock in public enterprises to invite the participation of the private player in the sectors of the economy that were primarily limited to government ownership control and was also an element of economic reforms in the 1990s, the Government of India has decided to promote Public-Private Partnership (PPP) Model. The key initiatives include: Two-pronged sale of government equity in profit-making and loss-making PSUs, deregulation of telecommunications and aviation, and corporatization of PSU. Privatization has resulted in more efficiency, excellent service, greater investments in infrastructure and better use of resources. Such success stories include telecom which has become more competitive, with the prices for its products and services coming down, and the banking sector, where private sector banks have become more innovative and efficient. On the other hand, privatization has led to many concerns about unemployment, loss of access to basic services for low-income groups, as well as misuse of resources by private owners. Privatization brings economic benefits, but presents social risks: how to keep the balance?

Economic Globalization: Integration into World Economy

International integration through trade, foreign direct investment, migration and the spread of technology is called globalization. After 1991, India gradually accepted globalization – opening its market for Foreign Direct Investment (FDI), minimizing protectionist trade barriers and strengthening its relationship with the

global financial community (the International Monetary Fund (IMF) and the World Trade Organization (WTO)). Important policies under globalization were opening up different sectors to 100% FDI, reduced import duties, and encouraging Multinational Corporations (MNCs) to establish business in India. It has had a deep impact on India in terms of rapid economic growth, expansion of IT and service sectors, and exports and infrastructure development. Indian corporate or Indian private sector has gone global with Tata, Infosys and Reliance now having powerful international footprints. On the other hand, globalization has led to increased technological innovations, more choices for consumers, and new jobs. Yet it has also led to problems like dependence on foreign money, cultural uniformity, environmental destruction and vulnerability to global financial crises. MNCs and influx of foreign goods has jeopardized the small and traditional industries. Globalization has influenced India to become a significant threat as well as an opportunity, and should be controlled in the best possible manner if it is to be successful.

Impacts, Challenges and future Directions

The LPG reforms have made India a global economic player, leading to high GDP growth, better infrastructure, and a huge private sector. Liberalization has added to competition and innovation, privatization has improved efficiency and service delivery, and globalization has made India a meaningful player in the global market. But the transition has not been smooth. (across and within countries), job insecurity (caused by automation and privatization), environmental degradation, and regional disparity that need to be attended. The challenges facing the Indian economy are severe and require urgent attention. Both the LPG model and the benefit of mankind future reforms focus more on the skillset models, infrastructure development, regulatory mechanisms and social safety nets model to curb the adverse effects of LPG model. In this ever-evolving global economy, especially in a country like India, such a balanced approach will be key for sustainable development. The LPG model is a evolving framework, the

ture refinement of which would determine whether India emerges as a pre-ninent global economy in the 21st century.

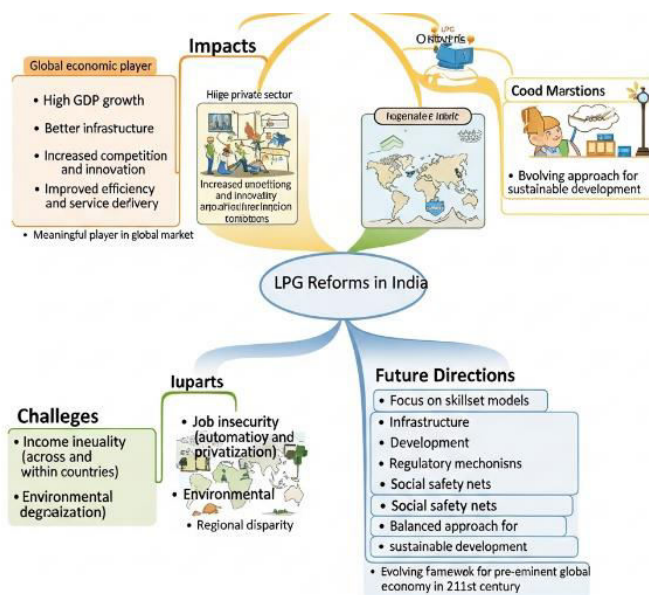


Figure 4.2: Impacts, Challenges and future Directions

UNIT 14 IMPACT OF LPG POLICIES ON INDIAN ECONOMY

NITI AYOOG, ORGANIZATION, FUNCTIONS

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4.2 IMPACT OF LPG ON THE INDIAN ECONOMY

In 1991, India encountered the LPG or Liberalization, privatization, and globalization reforms that transformed the Indian economy. India was under a mixed economic pattern with state-controlled activities and self-dependent industries and less liberalization prior to these amendments. It was the 1990-91 balance of payments crisis, replete with a huge deficit, dwindling foreign exchange reserves, and slow industrial growth, which called for immediate adjustments. Introduced under the Prime Ministership of P.V. Narasimha Rao and the Finance portfolio of Dr. Manmohan Singh, these reforms sought to liberalize the economy, decrease bureaucratic obstacles, and encourage a more competitive marketplace. The new economic policy was marked by deregulation, a reduction of state control in some important sectors, and foreign direct investment (FDI) in order to boost growth and modernization.

Neoliberal reforms and expansion of the Indian economy

Liberalization removed many of the detrimental economic policies, creating a freer economy. This led to massive red-tapism, and the License Raj was abolished leading to the end of bureaucratic control and initiate the process of entrepreneurship and industrialization. The elimination of tariffs resulted in greater exports and imports as well as further integration into world markets. Foreign investments poured in with MNCs setting up production facilities in India, along with finance, technology, and know-how. The second part of the reform process was undertaken in this sector through a number of financial sector reforms allowing private banks and financial institutions to operate. The IT and services sector blossomed and India became the global destination for software and outsourcing services. At the same time, the liberalization brought difficulties like growing income inequality, regional disparities, and exposure to global

economic swings. Liberalization has however been followed with disruptions resulting from internal and external factors, but they have also opened up new opportunities for economic cooperation, foreign direct investment, and global engagement.

The Effects of Privatization on the Indian Economy

Privatization was an attempt by the government to minimize its control over public sector enterprises (PSEs) and enhance efficiency by channelizing involvement of the private sector. Disinvestment restructuring to improve the competitiveness of numerous loss-making public sector enterprises. The entry of private players into telecommunications, aviation, and banking led to better service, lower prices, and greater choice for consumers. The privatization of PSUs such as VSNL, BALCO, Air India illustrated the promise and problems of the policy. The privatization was successful in increasing productivity and kiss the cost of the production, but left many questions about the redundancy, world owned assets and the monopoly. Opening up from a state-driven industry to a market economy has enabled greater innovation and competition, to create positive conditions for attracting foreign capital. Nonetheless, maintaining a balance between economic efficiency and social equity is a major tension within the process of privatization.

Globalization and Its Effects on Indian Economy

With the introduction of globalization, India became part of the world economy and paved the way for fast economic growth and technological advancements. Such FDI and FIIs inflow gave an impetus to industrial growth and infrastructure development. The IT sector flourished enough to be a global leader due to companies such as Infosys, TCS, and Wipro. Instead, Indian firms spread their wings overseas, acquiring companies abroad and setting up global back offices. International brands entered the consumer market and started providing more options to Indian consumers. Innovations in agriculture and the opportunity to

export more crops helped the agricultural sector thrive in this period. Yet, globalization come with its nuances, as it opened up to global financial crises, trade imbalances and ideological shifts. The tension between protecting domestic industries from foreign competition and encouraging an open economy remains a vital policy question.

Problems and Way Forward of LPG Reform in India

While there has been tremendous progress as a result of the LPG reforms, India still faces several challenges to maintain economic growth and promote inclusive development. Growing income inequalities, rural-urban divide and job creation continue to be problems. These global brands often outshine, billboards monopolize the local market and threaten the existence of local businesses. Infrastructure bottlenecks, regulatory intricacies and environmental issues all present obstacles to sustained economic growth. In response to these challenges, it is vital for economic policies going forward to be directed towards inclusive growth, skills development and sustainable industrialization. The future will hinge increasing manufacturing prowess under initiatives such as 'Make in India', a forward-thinking approach towards digital transformation and research and development to enhance innovation. This adaptability, along with the existing structure of LPG reforms in India, lessens the likelihood of social unrest and violence due to economic liberalization-induced disparities.

Stabilization & Structural Adjustment Programmers

To discuss and assess the Stability and Structural Adjustment programmers of India, it is required to review its origins, progression and impact. These programs were part of economic reforms introduced in 1991 to address a severe balance of payments crisis. Here is a close look at the five main parts of the framework: Introduction and Background, Objectives and Rationale, Key Features and Policy Measures, Impacts on Sectors, and Challenges and Criticism.

Introduction and Background

India was facing a balance of payments crisis in 1991 with a significant fall in foreign exchange reserves, a high fiscal deficit and rising external debt. In response to this crisis, Stabilization and Structural Adjustment Programmes (SAPs) were implemented under the auspices of the International Monetary Fund (IMF) and the World Bank. Stabilisation policies: which were the short-term economic recovery measures which aimed at restoring macroeconomic stability by means of fiscal discipline, monetary tightening and exchange rate adjustments. On the one hand, structural adjustment included the long-term process of liberalization, privatization, and globalization (LPG). The policy regime was characterized by high public sector expenditure, a cadaveric economy with import controls, and crippling public enterprises. With a desperate need for foreign capital, the Indian government approached the IMF for a loan, agreeing to restructure its economy in return. It ushered in a period of liberal economic policies to open up India's economy to competition from the world while rolling back the state. This marked a turning point in Indian economy, as the SAPs shifted the economy from a socialist-oriented mixed economy to a market-driven economy.

Objectives and Rationale

The primary objective of the Stabilization and Structural Adjustment programmers was to attain macroeconomic stability and sustainable economic growth. The stabilization aspect was meant to curb inflation, bring down the fiscal deficit and enhance the balance of payments. This was crucial for restoring investor confidence and keeping the country's creditworthiness in the crosshairs of the international financial markets. Structural adjustment, by contrast, aimed to increase efficiency and productivity through the freeing of trade, deregulation of industries, and erosion of protectionist policies to encourage foreign direct investment (FDI). The idea behind them was that a competitive, market-driven economy would allocate resources more efficiently than a centrally controlled

system. The government was seeking to retrench the public sector, encourage privatization, and integrate India into the world economy. Core aims ranged from shrinking fiscal deficits and boosting exports to fortifying the financial sector, enhancing infrastructure and promoting industrial competitiveness. Policy changes were also meant to cut bureaucratic red tape, ease import restrictions and modernize outdated industrial practices. The reforms were aimed at achieving sustainable economic growth over the long term, striking a balance between economic growth and fiscal prudence to prevent India from experiencing future crises while positioning the country as a more significant economic actor on the world stage.

Important Features And Policy Measures

The SAPs consisted of a set of agrarians, fiscal, monetary, trade, industrial and financial economic reform programs. Fiscal Policies – measures focused on reducing subsidies, government spending, and increasing the tax base. Non-essential government spending was slashed and reforms were introduced to improve revenue it was tasked with bringing the fiscal deficit under control. Fiscal policies aimed at those giving living wages, outstripping the economy with minimum wage, and welfare policies. This policy of trade liberalization marked a radical departure from the earlier protective regime with significant cuts in tariffs, ultraproductive GDiceo import quotas and partial convertibility of rupee. Easing restrictions on foreign ownership and reducing bureaucratic red tape helped to spur Foreign Direct Investment (FDI). Big changes in the financial sector, with banking reforms that enhanced competition and independence for financial institutions. Furthermore, industrial policy changes also liberalized licensing, encouraged privatization and private-sector involvement in important industries. Disinvestment in several PSEs for privatization liberated many from the shackles of loss-making processes. Labour market reforms were enacted to improve flexibility but they were politically controversial. The key strand of the strategy was moving from a state-controlled economy into a market-oriented one with long-run sustainability that was obtained via efficiency-oriented policies.

Impact on Various Sectors

Liberation and reduction of bureaucratic red tape in the industrial sector triggered increased productivity as it reduced competition and brought in investments. But small-scale industries struggled against the competition of multinational corporations. The agricultural sector experienced growth driven by liberalized trade policies and increased private sector investment, but also faced declining subsidies and reduced availability of government support. Banking reforms enhanced financial stability and the role of the private sector. Free trade increased exports and bolstered their integration into the global economy, but also increased competition of their domestic producers. Under the new policies, the services sector, particularly IT and telecommunications, thrived and attracted foreign investment and job creation. Income inequality, however, did increase, with urban areas prospering more than rural parts of the country. Short term, it led to bankruptcies in certain sectors, job losses and the reduction of social welfare benefits. The transition from a state-directed economy to one market-oriented increased productivity but also resulted in dramatic economic inequality. GDP growth rates improved, but worries about employment generation and social equity remained.

Challenges and Criticism

Although the Stabilization and Structural Adjustment programmers have had success stabilizing the economy and encouraging growth, there were their critiques and challenges. A key issue was the social consequences of diminished government expenditure in the form of greater austerity, resulting in decreased public sector investment in health, education and poverty eradication. The opening of public sector enterprises to private capital, needed to inject efficiency into a lethargic economy, was accompanied by job cuts and greater job insecurity. Those on the left point out the severe concentration of wealth among major multinationals during the period, and how the policies worked in favor of the urban elite and against the economic interests of small and rural communities.

Niti Aayog

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The NITI Aayog (National Institution for Transforming India), the flagship policy think tank of the Government of India, was established on January 1, 2015 in place of the Planning Commission. It seeks to promote cooperative federalism and to better shape policy by including the state governments in the decision-making process. While the Planning Commission adhered to the top-down process, NITI Aayog promotes a bottom-up approach that aligns with India's changing economic and social scenario. The organization is designed to enable participatory governance and data-driven policy recommendations. It is vital for the long-term strategic and developmental agenda of the country to follow an inclusive and sustainable growth model.

Structure of NITI Aayog

To facilitate the smooth execution of their objectives NITI Aayog works under a well-laid hierarchical framework. The PM of India chairs it and it provides a guiding force. The organization includes a Vice-Chairperson, appointed by the Prime Minister to oversee policy development and implementation. It also includes permanent members that have professional experience across economics, social policy, and governance. There are also nomadic members, as they have a special role to play as leading practitioners from top research organizations, academia and industries, who can help with domain specific inputs. The day-to-day administration of NITI Aayog is under the management of Chief Executive Officer (CEO), who is appointed by the Prime Minister. The Governing Council which consists of Chief Ministers from all states and Union Territories is extremely important because bringing regional perspectives in decision making. Its structure includes several working groups, expert panels, and committees that cater to particular sectoral developmental outcomes giving rise to an inclusive and integrated policy development approach.



Figure 4.3: Niti Aayog

Functions of NITI Aayog

NITI Aayog is the key policy formulation of the Government of India and is responsible for several roles that impact the socio-economic structure of the nation. It has core function of strategic planning where it frames long term and medium-term policies in consonance with India's developmental goals. In contrast with the Planning Commission, which created centralized five-year plans, NITI Aayog fosters decentralized planning, allowing states to formulate their own developmental policies. Policy formulation and coordination is another vital function in which it renders its recommendations regarding economic, sovereign and other related matters. It is also a major institution for the promotion of cooperative federalism so that state governments and local bodies can play an active role in making policies. Further, NITI Aayog promotes technological innovation, and research and development, acting as a knowledge hub for evidence-based policy making, and tracking the progress of the economy with the help of real-time data analytics. It also monitors flagship government programs like Ayushman Bharat, Atal Innovation Mission, and Aspirational Districts Program to ensure their successful implementation throughout the country.



Figure 4.4: Functions of NITI Aayog

Role of NITI Aayog in India

The Role of NITI Aayog in Shaping India's Development Trajectory

India's global economic rise has been characterized by a series of institutional innovations centered on responding to the challenges of running a diverse and populous country. Of these, the National Institution for Transforming India or NITI Aayog is one of the most important think tanks set up in 2015 to replace the Planning Commission. This conversion was more than name-change, it embodied a sea-change in India's thinking on economic planning and strategy of development. Departing from the traditional top-down centralized planning, in which the Planning Commission played truant, the Niti Aayog was envisaged to be a dynamic institution to promote cooperative federalism, and to monitor and evaluate the functioning of India's complex mechanism of Centre-State relations and stimulate innovations, to make India growth path sustainable.

NITI Aayog's creation also acknowledged the changing realities of the world and India. With India's increasing participation in the global economy and with state actively demanding their share in the development process, there was felt a need for an institution which could be more than merely an allocator of resources but a forum of collaborative policy making. Institutional cultural change even affected the nomenclature of the institution, and the change in name from "planning" to "transforming" reflected this philosophical shift. The Aayog was to be the enabler of the transformational change in India that would be ushered by its young demographic dividend and technological capabilities to move the country toward inclusive and sustainable development.

NITI Aayog's role goes beyond the shaping of traditional economic policies and practices, and instead it enters the realms of new, transformative fields and partners with key public ventures including innovators, entrepreneurs, the civil society, the education and health sectors. Working as a thought leader and knowledge institution, it invites leading practitioners from state governments, civil society, academic institutions and international development partners for consensus building on important policy issues. Through connecting the states and the Centre, and by bringing governments and civil society together, NITI Aayog encourages policy coherence and a shared sense of purpose towards addressing common challenges towards India's development, with a central emphasis on cooperative and competitive federalism.

Evolving from Planning Commission to NITI Aayog: A Paradigm Shift

This transition from Planning Commission to Niti Aayog was momentous in India's institutional history. The Planning Commission, created in 1950 under the tutelage of first prime minister of India Jawaharlal Nehru, was based on the Soviet-influenced top-down approach to planning. It had been the designer of India's Five-Year Plans, which allocated resources and set the nation's development priorities for decades.

The formation of NITI Aayog on January 1, 2015 signalled a clear departure from such a top-down planning process. Prime Minister Narendra Modi, while announcing the creation of NITI Aayog, had underscored the need for such an institution that serves as a 'think-tank' of the government and a 'critical enabler' of 'amiable federalism'... also as a platform that enables a genuine partnership between the Centre and States. While the Planning Commission had the capacity to distribute funds to states, NITI Aayog was established as a think tank to offer strategic direction, technical guidance and enable implementation support and did not have financial powers over states.

This structural shift was also accompanied by a shift in orientation. While the Planning Commission was 'all about auguring resource-allocation' and green signal/dismissal of any current five-year plan, NITI Aayog was mandated to create a shared vision of national development priorities, and aims to promote cooperative federalism by getting states to compete with one another on development and governance parameters. The establishment became more consensual, preferring to achieve consensus from below rather than impose decisions from above. This shift was part of a larger understanding of the fact that in a diverse, dynamic economy like that of India, development strategies should be adaptable, shaped by local conditions and based on a diverse set of perspectives.

Fostering Cooperative Federalism and Enhancing State Participation

One of the important achievements of NITI Aayog has been its contribution to foster cooperative federalism. In a country as diverse as India where states differ immensely in their economic, social, and governance capability, facilitating meaningful engagement between the Centre and states is necessary for national development. NITI Aayog has institutionalized this through a number of mechanisms, such as the Governing Council comprising Chief Ministers/Lieutenant Governors and chaired by the Prime Minister, for articulating and implementing policies at the national, regional and local levels.

Through these structured interactions states have established a space to express their worries, exchange good practices, and have an impact on the shaping of their national policies. In enabling states a say in national policy debate, NITI Aayog has contributed towards developing a more balanced federal structure in which states are not treated as weaker appendages, but as equal partners. This approach has been especially useful in meeting cross-cutting challenges such as water scarcity, environmental degradation, and urbanization that call for coordinated action between jurisdictional levels. NITI Aayog has also encouraged competition among states through Competitive Federalism. Among the indices developed by it include the State Health Index, School Education Quality Index, Water Management Index and the SDG India Index through which a template has been prepared for ranking different states and union territories based on their performance under it. These kinds of indices offer an obvious advantage that they draw attention to those areas in which states are doing well and, by the same token, those in which the need for greater attention is apparent, and they foster competitive states' benchmarking. Through the public acknowledgement of high-performing states and sharing of best practices, NITI Aayog has created an incentive for states to improve their governance systems, and service delivery systems.

The institution has also supported building the capacity of state governments, especially those with fewer resources or knowledge in this area. NITI Aayog NITI Aayog has supported states to design and implement better policies effectively through technical advisory, knowledge sharing and capacity building. For states in the Northeast, tribal areas and other regions that have long been left behind in terms of economic development and institutional capacity, this help has been particularly critical. NITI Aayog has contributed in its own way to the objective of achieving balanced regional development by assisting these states to fill the development deficit.

Championing Sustainable Development and Climate Action

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NITI Aayog: Powering sustainable development NITI Aayog has made a formidable impact when it comes to driving India's sustainable development. “NITI (The National Institution for Transforming India) Aayog, as the nodal agency for SDGs in India, has put in place a robust architecture for tracking progress, benchmarking performance, identifying gaps and quantifiable targets, within and across various sectors at the sub-national and state level, making the enterprises and organisations gradually align and map the activities.” Introduced in 2018, the SDG India Index details the current positioning of states and UTs with regard to the SDGs and acts as a medium for evidence-based policy making. Besides tracking, NITI Aayog has engaged itself in devising strategies and policies to sustainably develop the country. It has promoted holistic solutions that take into account the nexus between growth, inclusion and environmental sustainability.

Another field in which NITI Aayog has played a proactive role is climate change. In view of the existential threat of climate change and the severity of its impacts on India, NITI Aayog has played a leading role in enhancing climate resilience in the country and in facilitating the development of low-carbon pathways. It has supported and worked with concerned ministries and state governments in preparing climate action plans, building adaptive capacity, and leveraging resources for investing in areas related to climate. The university has, as well, asserted its influence in respect of the framing of India's views on the international climate discourse by emphasizing the fundamental principle of common but differentiated responsibilities and of climate justice.

Renewable energy has been a particular focus of NITI Aayog's work on climate action. Cognizant of India's significant renewable energy potential and the imperative to reduce dependence on fossil fuels, NITI Aayog has advocated for ambitious renewable energy targets and supportive

policy frameworks. It has been instrumental in developing roadmaps for increasing the share of renewable energy in India's energy mix, promoting energy efficiency, and fostering innovation in clean energy technologies. Through initiatives such as the India Energy Security Scenarios, NITI Aayog has provided valuable insights into different energy pathways and their implications for economic growth, energy security, and environmental sustainability.

Driving Economic Reforms and Promoting Innovation

NITI Aayog has been acting as a crucible for innovative ideas to promote ease of doing business, to replace a plethora of burdensome regulations and red tape, to make India a very easy place to do business and to invest in. Free from day-to-day governance responsibilities, NITI Aayog has been able to focus on long-term economic challenges and opportunities, and promote ambitious reforms that may have been held back by political compulsions otherwise. This strategic orientation has especially been useful in sectors in need of structural transformation such as agriculture, manufacturing and financial services. In the agriculture space, NITI Aayog has been batting for reforms to raise farmers' incomes, enhance their access to markets, and adopt sustainable farming methods. It has argued for a move from a production-oriented model to a farmer-centred model that promises better price realization, risk management and revenue diversification. Contract farming, Agricultural marketing and Land leasing: NITI Aayog's report on above recommendations led to various policy reforms including Model Agricultural Land Leasing Act and reforms to the APMC Acts.

Similarly, in the industrial sector, NITI Aayog has championed reforms aimed at enhancing ease of doing business, reducing regulatory burden, and promoting manufacturing. It has been instrumental in developing sector-specific strategies to boost competitiveness and attract investments, particularly in sectors identified under the Make in India initiative. By bringing together relevant stakeholders from government, industry, and academia, NITI Aayog has facilitated consensus-building on contentious issues and helped overcome implementation bottlenecks.

NITI Aayog, under Modi, has also heavily emphasized on innovation. Focussed on realising the significance of innovation in providing sustainable and competitive growth for the global economy, NITI Aayog has created a multi-level institutional framework, which promotes an ecosystem of innovation in India. The Atal Innovation Mission (AIM) under the aegis of the NITI Aayog has been instrumental in stimulating innovation and entrepreneurship at the grassroots level. With its various initiatives including the Atal Tinkering Labs in schools and Atal Incubation Centers and the Atal New India Challenges, AIM has established an ecosystem that promotes innovative thinking and allows for the successful development and transformation of these ideas into products and services.

It has supported initiatives like the National Strategy on Artificial Intelligence, providing a set of principles and policies to adopt in order to apply AI to achieve inclusive and sustainable economic development. The consortium of various stakeholders from government, industry, academia and non-governmental organisations brought together by NITI Aayog has fostered a shared vision around digital transformation where technology powers the poor, improving their lives for the better.

Addressing Social Development and Human Capital Formation: Even though economic growth and competitiveness was central to the NITI Aayog agenda, the body has given due focus on social development and human capital formation. India's demographic dividend can only be achieved when its population is healthy, educated and skilled, and NITI Aayog has made significant strides in revamping India's health and education system, ensuring gender equality and promoting skill development. In health, NITI Aayog has played a key role in formulating a holistic vision of the health system transformation as articulated in documents including the Three-Year Action Agenda and Strategy for New India@75. It has lobbied for a move out of siloes to comprehensive primary health care including the preventive (and promotive) aspect of care. NITI Aayog has also been involved in developing innovative healthcare financing models, promoting

the use of technology in healthcare, and strengthening health systems at the state level. The institution's work on health system strengthening has informed the design of programs such as Ayushman Bharat, which aims to provide health insurance coverage to vulnerable families and establish Health and Wellness Centers for primary healthcare.

NITI Aayog has also advocated for reforms in education space – reforms that focus on improving learning outcomes, increasing access to quality education and preparing students for the future of work. The need for result oriented educational policies, innovative pedagogical methods and better utilisation of ICTs in education has been stressed. The School Education Quality Index of NITI Aayog was doing a great job giving states a sight of their strong and weak areas and enabling them to take targeted action to fill those gaps. And it has also been championing higher-education reform, underlining the necessity of playing up autonomy, quality assurance, and industry-academia relations. Another thrust area of NITI Aayog has been gender equality. The organisation has been championing the mainstreaming of gender into policies and programs in all sectors as it understands gender equality is not just a social justice issue but also an economic imperative. The Women Entrepreneurship Platform (WEP) by NITI Aayog offers a one stop access for all information and services needed by women entrepreneurs. The school has also participated in projects that support GBV, women in the workplace and gender responsive budgeting.

Enhancing Governance and Public Service Delivery

NITI Aayog has made significant contributions to improving governance and public service delivery in India. As a knowledge hub and think tank, it has been able to identify governance challenges, analyze their root causes, and propose evidence-based solutions. This analytical approach has been particularly valuable in addressing complex governance issues that cut across different departments, sectors, and levels of government. One of NITI Aayog's key contributions in this area has been its work on performance monitoring and outcome-based budgeting.

The institution has developed outcome budgets for various government programs, linking financial outlays to measurable outcomes and establishing a framework for assessing program effectiveness. This focus on outcomes rather than inputs or outputs has helped shift the discourse on public expenditure from how much is spent to what is achieved, thereby enhancing accountability and value for money. NITI Aayog has also been involved in various initiatives aimed at improving the quality and accessibility of public services. It has promoted the use of technology to streamline service delivery, reduce corruption, and enhance citizen engagement. Through platforms such as the Development Monitoring and Evaluation Office (DMEO), NITI Aayog has strengthened the monitoring and evaluation ecosystem in India, generating valuable insights for program improvement and policy refinement. The institution's advocacy for evidence-based policy-making has encouraged greater use of data analytics, impact evaluations, and other analytical tools in public decision-making.

In line with its mandate to promote good governance, NITI Aayog has also worked to strengthen the capacity of public institutions at various levels. It has developed toolkits, guidelines, and best practice compendiums to help government agencies enhance their effectiveness and efficiency. By facilitating knowledge exchange and learning across states and sectors, NITI Aayog has helped diffuse innovations in governance and public administration. This cross-pollination of ideas has been particularly valuable in a diverse country like India, where what works in one context may need adaptation for another.

Crisis Management and Response Coordination

NITI Aayog's flexible mandate and cross-sectoral approach have enabled it to play a crucial role in crisis management and response coordination. This was particularly evident during the COVID-19 pandemic, where NITI Aayog served as a key institution in formulating India's response strategy. The institution's ability to bring together different ministries, state governments, and domain experts facilitated a coordinated approach to managing the multifaceted crisis. During the pandemic, NITI Aayog provided technical inputs on critical aspects

such as testing strategies, containment measures, healthcare capacity enhancement, and economic relief packages. It established expert committees to guide the response in different domains and developed scenarios to help policymakers anticipate and prepare for different trajectories of the pandemic. By leveraging its data analytics capabilities, NITI Aayog was able to track the spread of the virus, identify hotspots, and assess the impact of various interventions. Beyond providing technical expertise, NITI Aayog played an important role in coordinating the actions of different stakeholders during the crisis. It facilitated dialogue between the central government and states on contentious issues such as lockdown strategies and resource allocation. It also served as a bridge between government and civil society, engaging with NGOs, academic institutions, and private sector entities to mobilize support for the response effort. This coordination function was particularly valuable given the complexity of the crisis and the need for a whole-of-society approach.

NITI Aayog's experience with the COVID-19 pandemic has underscored the institution's value as a flexible, responsive entity capable of adapting to emerging challenges. It has demonstrated that beyond its role in long-term planning and policy formulation, NITI Aayog can make valuable contributions to crisis management by providing evidence-based advice, facilitating coordination, and helping to balance immediate response needs with longer-term recovery and resilience considerations.

Engaging with the Global Community

NITI Aayog has played an active role in engaging with the international community and projecting India's perspective on global issues. As a knowledge partner, it has collaborated with international organizations such as the World Bank, United Nations agencies, and various multilateral forums on initiatives related to sustainable development, climate change, and economic policy. These partnerships have enabled NITI Aayog to leverage global expertise and resources for domestic policy-making while also sharing India's development experiences with the world. In the context of South-South cooperation, NITI Aayog has

facilitated knowledge exchange between India and other developing countries, particularly in areas where India has developed successful models or innovative approaches. It has hosted delegations from various countries interested in learning from India's experiences in areas such as digital identity, financial inclusion, and renewable energy. By documenting and disseminating best practices, NITI Aayog has helped position India as a thought leader in the global South. NITI Aayog has also been involved in representing India's interests in various international forums dealing with global governance issues. It has provided inputs for India's positions on topics such as sustainable development, climate finance, and digital governance. By articulating India's unique development challenges and perspectives, NITI Aayog has helped ensure that global policy frameworks are responsive to the needs and realities of developing countries.

Through these international engagements, NITI Aayog has contributed to enhancing India's soft power and strengthening its role in global governance. It has helped project India not just as a rising economic power but also as a repository of innovative solutions and approaches that can inform global development discourse. This role is likely to become increasingly important as India seeks to expand its global footprint and contribute to addressing common challenges facing humanity.

Criticisms and Challenges

Despite its many contributions, NITI Aayog has faced criticisms and encountered challenges in fulfilling its mandate. One common criticism pertains to the institution's limited financial powers compared to its predecessor, the Planning Commission. Unlike the Planning Commission, which had control over plan allocations to states, NITI Aayog lacks direct financial leverage to influence state policies. While this arrangement is consistent with the principle of cooperative federalism, it has sometimes constrained NITI Aayog's ability to drive policy implementation, particularly in areas where states have primary jurisdiction. Another challenge has been managing the tension between NITI Aayog's role as an independent think tank and its position as a government institution. While

NITI Aayog is expected to provide objective, evidence-based policy advice, it is also part of the government machinery and subject to political considerations. This dual identity has sometimes led to perceptions that the institution's recommendations are influenced by political priorities rather than purely technocratic considerations. Maintaining credibility as an objective policy advisor while remaining relevant to the political leadership is a delicate balance that NITI Aayog continues to navigate. NITI Aayog has also faced criticism regarding the implementation of its recommendations. This implementation gap can be attributed to various factors, including limited follow-up mechanisms, resistance from vested interests, and coordination challenges across different ministries and levels of government. Strengthening the link between policy formulation and implementation remains an ongoing challenge for NITI Aayog. Resource constraints have been another limitation. Despite its broad mandate, NITI Aayog operates with a relatively small team and limited budget. This has sometimes affected its ability to engage in sustained research, undertake comprehensive consultations, and provide robust technical support to state governments. Enhancing the institution's capacity, particularly in specialized domains such as artificial intelligence, climate science, and behavioral economics, will be crucial for maximizing its impact.

Future Directions and Opportunities

There are various possibilities that could improve the effectiveness and impact of NITI Aayog as it grows in its role. One possibility would be to reinforce that role further and turn it into a development innovations knowledge hub and clearing house. As in the examples above, by mapping and evaluating successful practices from elsewhere in India or globally and then disseminating them more systematically, NITI Aayog has the potential to generate large-scale impact and avoid costly mistakes. Programming note: We will be trying to address those questions and practical ideas in upcoming discussions. Such knowledge brokering role would be quite beneficial to less-resourceful states and local governments that struggle to improve their development efforts.

Another opportunity lies in deepening NITI Aayog's engagement with non-governmental stakeholders, including civil society organizations, academic institutions, and the private sector. While the institution has made efforts to consult these stakeholders in policy formulation, there is scope for more structured and sustained engagement.

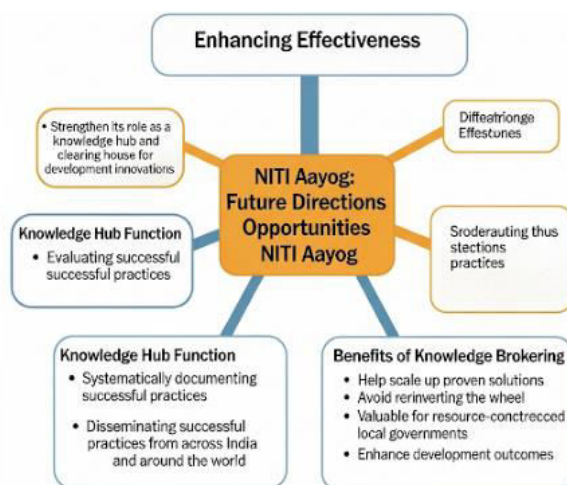


Figure 4.5: Future Directions and Opportunities

Strengthening NITI Aayog's monitoring and evaluation function is another opening. Although the institution has created the Development Monitoring and Evaluation Office (DMEOs), the analytical tools, data infrastructure and methodological rigor need further consolidation and strengthening. NITI Aayog can support this by making substantial investments in state-of-the-art monitoring and evaluation (M&E) systems that can produce solid evidence on program effectiveness, highlight implementation bottlenecks, and give actionable feedback for program improvement. Conclusion The Niti Aayog could also actively participate in dealing with challenges and opportunities posed by changes in demography of India, technological development, urbanisation and the global economic transformation. Such a forward-looking approach would be an appropriate counterpart to the need of the institution to target today's development challenges, and to the late realisation to which such a focus would bring the Indian policy framework in a fast-changing world.

The Aayog is a key institutional departure in India's governance framework. Yes, by departing from the centralized planning model of the Planning Commission days, NITI Aayog has brought in a new style of development planning, more collaborative, flexible and knowledge-oriented. Its focus on cooperative federalism, evidence based policy-making, and the involvement of multiple stakeholders underscores the realization of how complex India's development challenges are and how several (rather than only one pair of spectacles can help in) perceiving and resolving them. During its relatively brief existence, NITI Aayog has responded to a wide variety of national level challenges, from attaining rapid, sustained growth to managing the complex demands of infrastructure development, while ensuring that all sections of society benefit. It has been especially helpful in confronting complex, cross-cutting issues with the unique ability to work across sectors, facilitate multi-level government dialogues and convene diverse stakeholder groups.

In an increasingly complex world full of economic disruptions, technological turmoil, and environmental threats India would do well to have institutions like NITI Aayog to provide strategic guidance, catalyse innovation and encourage problem-solving with key partners. To the extent that it is able to address its challenges and capitalise on its emerging opportunities, NITI Aayog could further emerge as a critical institution in India's development journey, contributing to the shape and trajectory of the 'transforming' India and towards the vision of inclusive, sustainable and resilient growth. The trajectory of NITI Aayog marks the broader transformation of the development philosophy of India from one of government-led, centrally directed development to one that is more market-driven, federated, and knowledge empowered. While this evolution unfolds, the real challenge for the NITI requires it to stay relevant, responsive and impactful, in a world that is becoming more complex and is changing so fast.

4.3 SELF-ASSESSMENT QUESTIONS

Post-1991
Economic
Reforms

4.3.1 MCQs:

- **What does the acronym LPG stand for in the context of the Indian economy?**
 - a. Land, Production, and Growth
 - b. Liberalization, Privatization, and Globalization
 - c. Labor, Power, and Goods
 - d. Loans, Policies, and Grants
- **Which of the following is a direct effect of liberalization ?**
 - a. Increased government control over industries
 - b. Reduction of trade barriers
 - c. Stagnation of foreign investment
 - d. Decrease in competition
- **Privatization primarily involves:**
 - a. Increasing government ownership of assets
 - b. Transferring ownership from the public to the private sector
 - c. Centralizing economic planning
 - d. Expanding public sector employment
- **The primary role of NITI Aayog is to:**
 - a. Regulate the stock market
 - b. Formulate economic policies and promote cooperative federalism
 - c. Manage the country's monetary policy
 - d. Control import and export activities

- **Globalization has significantly influenced India's trade sector by:**
 - a. Reducing the volume of international trade
 - b. Increasing access to global markets
 - c. Limiting foreign investment
 - d. Promoting self-sufficiency in all sectors
- **The economic reforms in post-1991 India are mainly focused on:**
 - a. Returning to a closed economy
 - b. Increasing government intervention in all sectors
 - c. Opening up the economy to foreign competition and investment
 - d. Focusing only on agricultural development
- **One of the key functions of NITI Aayog is to:**
 - a. Execute monetary policy.
 - b. Act as a think tank for the government.
 - c. Manage the central bank.
 - d. Regulate private companies.
- **How have economic reforms generally impacted India's growth trajectory?**
 - a. Slowed down economic growth.
 - b. Created a period of economic stagnation.
 - c. Led to accelerated economic growth in many sectors.
 - d. Had no significant impact.
- **A significant challenge of India's liberalization policies is:**
 - a. Too much government control.
 - b. Lack of foreign investment.
 - c. Rising income inequality.
 - d. Decrease in technological advancement.

- **The LPG model was introduced in India in the year:**

- (a) 1980
- (b) 1991
- (c) 2000
- (d) 2010

Answer: (b) 1991

4.3.2 Short Questions:

1. What is the LPG model?
2. What are the effects of liberalization on the Indian economy?
3. Define privatization and its impact.
4. What is the function of NITI Aayog?
5. What is the impact of globalization on the trade of India?

4.3.3 Long Questions:

1. Analyze the implications of LPG model for economy of India.
2. What are the salient aspects of the economic reforms implemented in India after 1991?
3. Discuss the organization and the objectives of the NITI Aayog.
4. How have economic reforms conditioned India's growth path?
5. Discuss the problems and future of India's policies of liberalization.

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