

Commerce, Economics And Management



Indira College of Commerce and Science

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For

Indira College of Commerce and Science, Pune.

Foreword



Dr. Yashodhan MithareAssociate Dean Faculty of
Commerce and Management,
Savitribai Phule Pune University

Inculcating research culture, is our joint responsibility as a citizen of India in general and as an educationist in particular. A candid platform is very much essential to promote research. The most pressing need of today is addressing complex problems, that require diverse perspectives and expertise. It is definitely by staying on top of emerging trends, embracing interdisciplinary research, and harnessing the power of technological innovation, we can make significant contributions to address micro and macro level pressing problems. I extend my warm wishes for the release of the 6th issue of the Journal, "Sameeksha" which is a candid platform for students, academicians, scholars, experts from industry and researchers that promotes sharing of ideas and stimulate informed policy and theoretical discussion and debate. The theme emerging trends in commerce, management are other social science indeed attracts increased attention to drive students and budding researcher to contribute to more focused research for welfare, affluence, and advancement. I express my appreciation to the members of Editorial Board, Advisory Board, Patrons, and the Management of the College for this initiative which will would boost the academic community as well as policy makers. My best wishes for this endeavour.

SAMEEKSHA

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Editorial Team Message

"Research is to see what everybody else has seen, and to think what nobody else has thought."

Albert Szent-Gyorgyi

This sentiment has been the driving force behind every issue of *Sameeksha*, the International Journal of Commerce, Economics and Management [SIJCEM]. Indira College of Commerce and Science has always been the pioneer at every step and has been involved in numerous activities for innovation and inculcating research culture among the students. The publication of SIJCEM is one such step in the pursuit of research through transformation and change. Our endeavour is to move towards higher learning through this scholarly journal. We are extremely proud of our board members and fortunate to be able to draw upon their individual and collective knowledge, talent, judgement, and disciplinary backgrounds to engage in such research activity. Their constant guidance, support, feedback has helped us in completion of our venture. It has been an interesting journey and an enormous amount of work has gone into the development of this journal which we believe, is reflected in this edition.

SIJCEM represents the collective thinking of a group of innovative individuals with whom we are privileged to work. It is a platform for scholars, researchers, and academicians to express their innovative and creative ideas to aim for higher learning. We are happy to have participation of authors from various disciplines with an effort to demonstrate near-term practical contributions that take a constructive approach to solve many real-world problems in the field of demography. Human resources play key role in the overall development of any nation. It is population in general and working population in particular, is a unique source of supply of human resources which is necessary for the multidimensional development of any economy. India is progressing in technical knowhow and as a result of it we can see a sea change in the Commerce, Management and Economic scenario of India; this reflection is seen in the current issue of *Sameeksha*, The International Journal of Commerce, Economics & Management.

At this stage, we would like to place on record, our gratitude towards our Patrons for their tireless support and constant motivation. Our sincere thanks are also due, to the various other agencies for their support, to the authors for their trust and tireless effort to make it happen.

Sameeksha Team

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EMERGING TRENDS & TECHNOLOGIES SHAPING THE FUTURE OF FINTECH

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Abstract:

Fintech evolving landscape is marked by several emerging trends. Decentralized finance (DeFi) continues to gain traction, offering innovative financial services without traditional intermediaries. Artificial intelligence (AI) and machine learning enhance risk assessment, fraud detection and personalized customer experiences. Technology plays a crucial role in shaping the growth and evolution of fintech in the digital age. Technology serves as the backbone of the fintech industry. Its continuous evolution drives the growth and transformation of fintech. Various technologies and trends such as blockchain, AI, big data analytics, mobile payments, open banking, DeFi, RPA and cybersecurity are reshaping the fintech industry by driving innovation, improving efficiency, enhancing security and delivering better customer experiences. These technologies and trends are reshaping the fintech landscape, driving innovation, improving efficiency and enhancing the overall customer experience in the financial industry.

Introduction:

Fintech is used to describe new technology. Fintech use a variety of technologies, including artificial intelligence (AI), big data, robotic process automation (RPA) and blockchain. Fintech have collaborated for decades with mutual benefit, and it is not unreasonable to expect this co-operation to continue, especially with the development of emerging technologies. Technology plays a crucial role in various aspects of modern society, including communication, transportation, healthcare, finance, entertainment and education. Technology refers to tools, systems, methods, and processes used to solve problems, accomplish tasks, and improve human life through the application of scientific knowledge. Fintech emerging trends are shaping the future of the fintech industry, driving innovation, competition and transformation in the financial services sector. Overall, fintech is reshaping the financial industry by introducing disruptive

technologies and business models that challenge traditional banking and finance practices.

Keywords: Remote working, Big data, Digital currency, Green computing, Machine learning, Crypto currency, banking, regulation, client, risk management, climate change, payment, technology, cost, operating models.

Below are the Trends and Technologies which are playing an important role in the development of fintech.

1) Remote working:

Remote Working is the outcome of the pandemic arrived in 2020. During Pandemic all firms are forced to implement Work from Home policy. Many companies used this as opportunity to implement new process. Firms started to improve their IT infrastructure and merging with new technologies. Financial technology companies also experienced the same trend. So remote working is one of the technologies which is shaping fintech. Remote working has become an integral aspect of fintech operations, enabling companies to thrive in today's dynamic and competitive landscape while navigating the challenges of remote work effectively.

2) Self servicing:

Self-servicing describes situations where individuals or customers handle tasks independently without relying on assistance from staff members. This can apply to various context such as self-service kiosks in retail stores, self-checkout machines at supermarkets, or self-servicing portals for managing accounts or accessing information online. It is a crucial as it empowers individuals to manage their own needs and tasks efficiently. This not only improves efficiency but also enhances overall customer satisfaction and experience. This reduces the need for manual intervention and support, leading to cost savings for fintech companies. self-servicing capabilities enable fintech companies to scale their operations efficiently and cater to a larger user base without significantly increasing their overhead costs.

3) Machine learning:

Machine learning is a subset of artificial intelligence (AI). That revolves around the development of algorithms and models capable of learning from data and experience, without being explicitly programmed for each task. It is enables businesses to make data-driven decisions, automate processes for efficiency,

personalize experiences for customers, detect fraud and security threats, advance healthcare, and drive innovation across various industries. Machine learning revolutionizes fintech by enhancing risk assessment, fraud detection, and customer personalization. It allows computers to learn from data and improve their performance over time without being explicitly programmed. Machine learning process involves iterative refinement and optimization to improve the model's performance over time.

4) Robotic process automation:

Robotic Process Automation (RPA) involves using software robots to automate repetitive tasks and processes, mimicking human actions within digital systems. Robotic process automation reduces errors and increases efficiency across various industries and functions. RPA plays a crucial role in improving efficiency and productivity by automating repetitive tasks. It involves identifying, designing, testing, deploying, monitoring, and optimizing automation workflows to streamline repetitive tasks and improve efficiency within organizations. This technology enables fintech companies to operate more efficiently, reduce costs and better serve their customers in a highly competitive industry.

5) Internet of things:

It refers to a network of interconnected devices that can communicate and exchange data with each other over the internet, enabling them to collect, analyze and act on information from their environment. Internet of things lies in its ability to connect everyday devices and objects to the internet, enabling them to collect, exchange and analyze data in real-time. The Internet of Things (IoT) has a transformative impact across various industries by enabling automation, efficiency, innovation, and improved customer experiences. Through connectivity and data exchange, IoT devices optimize resource utilization, provide valuable insights for decision-making, personalize user experiences, generate cost savings, foster innovation, and enhance safety and security. Overall, IoT has the potential to revolutionize industries, drive productivity, and propel innovation in the digital era. It is a revolution is reshaping the delivery and experiences of financial services, ultimately leading to greater efficiency, security, and innovation within the fintech ecosystem.

6) Natural language processing:

Natural language processing (NLP) is a field of artificial intelligence focused on the interaction between computers and humans through natural language. It involves

the development of algorithms and models that enable computers to understand, interpret, and generate human language in a way that is both meaningful and useful. Natural language processing indeed plays a crucial role in modern technology and society. Its applications span from information extraction and sentiment analysis to language translation and understanding, making it an indispensable tool in bridging the gap between human language and computational understanding. It is contributing to improved customer service, fraud detection, market analysis, risk assessment, compliance, and innovation. Its impact extends across various aspects of fintech operations, enabling companies to leverage textual data effectively for better decision-making and enhanced services.

7) Digital currency:

Digital currency refers to electronic forms of money that exist solely in digital or electronic format, operating on decentralized networks like blockchain. Include that the cryptocurrencies such as bitcoin and as well as central bank digital currencies (CBDSs). Digital currency involves creation through mining or token generation, transactions recorded on a blockchain, validation by network nodes, potential rewards for miners or validators, exchange on online platforms, and regulation to ensure compliance with laws. Fintech companies can bypass traditional banking systems, which often involve multiple intermediaries and lengthy processing times. This not only reduces costs but also enhances the speed and efficiency of transactions. This expansion of market reaches present significant opportunities for growth and innovation within the fintech industry

8) Cloud Computing:

Cloud computing refers to accessing and using computing resources, like servers and storage, over the internet instead of on local machines. It offers scalability, cost-efficiency, flexibility, and reliability for businesses and individuals. Cloud computing involves provisioning resources, accessing them through a web-based interface, storing and managing data, running applications on virtual machines or containers, utilizing networking services, ensuring security and compliance, and optimizing resource usage. Cloud computing serves as a foundational pillar for fintech companies, providing them with the tools and capabilities to thrive in today's digital economy. From scalability and cost efficiency to agility and global accessibility, cloud computing empowers fintech firms to innovate, grow, and deliver secure and reliable financial services to customers worldwide.

9) Big data:

Big data refers to large and complex datasets that are too large or complex for traditional data processing techniques to handle efficiently. These datasets typically include vast amounts of structured, semi-structured and unstructured data from various sources, such as social media, sensors, devices, transaction records and more. Big data empowers organizations to unlock valuable insights and achieve their business objectives in a data-driven economy. Big data transforms fintech by enabling data-driven decision-making, personalized services, enhanced risk management, fraud detection, improved credit scoring, regulatory compliance, market analysis, and predictive insights, ultimately driving innovation, efficiency, and growth within the financial industry.

10) Green computing:

Green computing, also known as sustainable or eco-friendly computing, refers to the practice of designing, manufacturing, using, and disposing of computer systems and technology in an environmentally responsible manner. Green computing aims to promote sustainability, reduce carbon emissions, conserve natural resources, and mitigate the environmental impact of computing activities, contributing to a more sustainable and eco-friendly IT industry. Green computing is ultimately contributing to a healthier plant and a more sustainable future for generations to come. Green computing principles, fintech companies can reduce operational costs, enhance corporate sustainability, and contribute to a greener and more sustainable future. Embracing these practices not only benefits individual companies but also contributes to a more sustainable future for society.

Conclusion:

The future of fintech is shaped by a convergence of emerging trends and technologies, including blockchain, AI, digital payments, Big data, cloud computing, machine learning and remote working. These trends, driven by technology and changing consumer demands, are revolutionizing finance, promoting inclusion, and fostering positive societal impact. These emerging trends reflect the evolving landscape of fintech, driven by technological advancements, changing consumer behaviors and regulatory developments. Fintech companies that embrace these trends and leverage innovative solutions can disrupt traditional financial services, drive financial inclusion, and shape the future of finance.

However, there are certain challenges which needs to be taken care of while shaping the future of fintech. The interest of unbanked population needs to be taken care of. High reliance on technology for the financial transaction may cause trouble in case of system failure. Recently Norway has experienced server down situation for few hours. Due to this incidence Norway is now considering cash is mandatory payment option.

References:

Emerging fintech, Understanding and Maximizing their benefits, Paul Taylor, Business Expert Press LLC, 2022

Gupta, A., & Sharma, S. K., FinTech adoption and its impact on financial inclusion. Journal of Public Affairs, e2220., 2020

Kaminski J. & Trendowski J., Digital technologies in the financial services industry: a systemic approach to innovation management, European Research Studies Journal, 23(1), 46-68., 2020

Fintech and digital banking: Emerging trends and future prospects, Sankar, C. S. & Kashyap R., International Journal of Bank Marketing, 39(4), 712-728, 2020

COMPARATIVE STUDY BETWEEN OLD TAX REGIME AND NEW TAX REGIME

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Abstract

After the budget for the year 2023-24, the proposal of New Income Tax regime has created complications among the tax payers to choose between the two tax regimes. However, higher tax rebate and other changes in the New Tax regime has proved beneficial for some taxpayers. Still the old tax regime is beneficial if some taxpayers have higher deduction options available as per the Old Tax regime. This article focuses on comparison between both tax regimes and helps tax payers understand the tax regime beneficial for themselves. The deductions help the tax payers reduce their tax burden by lowering the taxable income. However, if a taxpayer does not have deduction allowed the new tax regimes suits best as the tax rates are lower as compared to the old tax regime. The comparative study between two regimes shall facilitate Tax planning and management for individuals. This article, with practical examples, helps the tax payer understand which tax regime suits best for them. Also, the survey conducted shows that there is complication between the two tax regimes.

Index Terms- Old tax regime, New tax regime, Comparative study, Higher tax rebate, Deductions, Exemptions

OBJECTIVES

To understand the New Tax regime & Old Regime

To compare the tax liability with respect to new and old regimes.

To understand the opinions of Tax payers and Consultants.

To suggest best option for minimize tax liability with the help of New and Old tax regime.

To facilitate tax planning and management for an individual.

I. HYPOTHESIS

• Through this research we aim to understand both the old and new tax regimes.

• through this paper we understand the difference between net tax liability determining the deductions and tax rates of both the regimes.

- Through the survey conducted, it represents that the consultants and taxpayers understanding about the New Tax regime.
- Through this study we understand what are the tax provisions a taxpayer must consider while opting for either tax regimes.
- As a result of this study, every individual will be able to plan and manage their tax liability.

II. INTRODUCTION

The development of any country depends on its funds. And these funds are usually generated through the tax paid by the citizens of that country. These taxes maybe direct or indirect. The direct tax is paid by the tax payers directly to the governing bodies of the nation. These taxes may be Property Tax, Income Tax, Wealth Tax, etc. The taxes collected are further used for providing facilities and infrastructure.

Meaning of Basic concepts of Income Tax:

The topic selected for this article focuses mainly on Income tax paid by salaried employees. The Income Tax is governed by Income Tax Act, 1961 which was brought in force with effect from 1st April, 1962. Income is defined under Income Tax Act, 1961 u/S. 2(24).

According to the Constitution, any income other than agricultural income is taxable under Income Tax Act.

According to Shorter Oxford English Dictionary, "income" means "that which comes in as the periodical product of one's work, business, lands or investments (commonly expressed in the terms of money); annually or periodically receipts occurring to a person or a corporation."

Income is a periodical monetary return earned by individuals or corporations from a specific source against services or jobs provided. Every part of income is taxable under the Income Tax act unless some specific exemptions are provided.

The focus of this article is basically on income generated through salaries which is specified under Section 15 of the Income Tax Act, 1961. The heads of income from salary are as follows:

Salaries: Basic pay, pension, gratuity, payment on voluntary retirement, fees and commission, bonus, profit in lieu of salary.

Provident Fund: Types of provident funds and contribution to P.F. and Interest credited to P.F. account balance.

Allowances: Taxable allowances, Tax-free allowances, Partially Exempted allowances.

Perquisites: Tax-free and Taxable perquisites, Valuation of perquisites.

Tax planning and management is analysis of one's financial situation and reducing one's tax liability. For this article, the comparison between both the New and Old regimes shall help individuals to understand and make an efficient tax plan for themselves.

Currently, there is a lot of complication among the tax payers as there are two tax regimes in practice. The new tax regime was initially proposed in the budget of 2020, but it was not adopted as the reduction options were very less. Observing the situation, the new tax regime allows more deduction options than its previous proposal in order to encourage tax payers to adapt with the new tax regime. There are certain changes in the deductions allowed in the taxation.

Among those key changes, this article focuses on the four changes that would make adapting with the new tax regime easier. Yet, it depends upon the deduction options available to the tax payer till the time the new tax regime becomes the default tax regime.

Approximately 37% of Indian population has switched to the New Tax regime in F.Y. 2023-24. The remaining 63% of people still prefer the Old Tax regime.

III.RESEARCH

After researching on various tax sites, following is the data found for comparison. This data is a small part of entire tax regime.

Differences	Old Tax regime	New Tax regime
Income Tax Rebate	12,500 (for up to 5 Lakhs of taxable income)	25,000 (for up to 7 Lakhs of taxable income)
Exemption limit	2,50,000	3,00,000
Standard Deduction for Salary income	50,000	50,000 (introduced in the latest proposal of budget 2023-24)
Tax regime benefit up to deduction of	more than 1,50,000 old tax regime will be beneficial	up to 1,50,000 new tax regime will be beneficial

Table 1 Difference between the tax regimes

According to the table mentioned above it is clear that both the tax regimes have their individual benefits.

1) Income Tax Rebate u/s 87A:

As we see, the income tax rebate in old regime is ₹12,500/- for ₹5,00,000 of income. Whereas in New tax regime the rebate is ₹25,000/- for ₹7,00,000/- of income. This shows that the New Tax regime is better.

2) Exemption Limit:

The New income tax regime has increased the Exemption limit up to ₹3,00,000/-from ₹2,50,000/-. This again shows that the new tax regime is beneficial.

3) Standard Deduction for Salary Income:

The standard deduction of ₹50,000/- was in practice from the old tax regime and it is still continued in the new-tax regime. This shows that there are certain similarities in both the Tax regimes.

4) Tax Regime Benefit:

If the deduction of taxpayer is up to 1,50,000/- then the new tax regime is beneficial, as the percentage charged is less as compared to the Old regime. But if the deductions are more than 1,50,000 up to 30,00,000 then the old tax regime suits best as the deductions allowed are more as compared to the new tax regime.

Income Tax Slabs	Old Tax Regime Tax Rates	New Tax Regime Rates
0-Rs. 2.5 lakh	0%	0%
Rs. 2.5 – 3 lakh	5%	0%
Rs. 3 – 5 lakh	5%	5%
Rs. 5 – 6 lakh	20%	5%
Rs. 6 – 7.5 lakh	20%	10%
Rs. 7.5 – 9 lakh	20%	10%
Rs. 9 – 10 lakh	20%	15%
Rs. 10 – 12 lakh	30%	15%
Rs. 12 – 12.5 lakh	30%	20%
Rs. 12.5 – 15 lakh	30%	20%
Rs. 15 lakh +	30%	30%

Table 2 Old Vs. New Income Tax Slabs

➤ In the tax regimes the limit of the exemption was 2.5 lakhs under the old tax regime. However, under the new tax regime, it has been raised to 3 lakhs.

The tax rate for the slab of 3-5 lakhs is the same at 5%, the tax rates of the slabs following have been reduced in the new tax regime, with the exception of the taxable income of 15 lakhs or above.

- The tax rate of 5% is continued up to 6 lakhs and the rate varies with a moderate change of 5% per slab. This is less as compared to the old tax regime.
- > The old tax regime rises with a difference of 10%. However, the difference can be adjusted in the deductions allowed by the Old Tax regime.
- ➤ Hence even if the rate of income tax seems to be lower than the old regime the old regime provides deduction options more than the new regime. Thus, it is difficult to choose between both the tax regimes as both have their own pros and cons.

IV. FINDINGS

In order to explain both the tax regimes following are some examples of Tax calculation in Old & New regimes.

Type – 01 Difference based on tax rebate.

Case 01 -

For a salary of ₹7 lakh taxable income, the following is the tax calculation under the New tax regime:

Taxable income = ₹7 lakh

₹3 lakh (Exempted Income Slab) = $3,00,000*5\% = 15,000 \dots (1)$

And 6,00,000-7,00,000 = 1,00,000*10% = 10,000....(2)

Tax payable = (1)+(2)= 25,000.

As per New Tax regime, the Income tax Rebate Amount is 25,000.

Hence 25,000-25,000=0

Hence the is payable is zero.

Case 02 -

For a salary of ₹7 lakh Taxable Income, the following is the tax calculation under the old tax regime:

Taxable income = ₹7 lakh-2.5 lakhs (Exempted Income Slab)

Tax payable = ₹4.5 lakh x 5% = ₹22,500.

Analysis:

As we have studied that the New Tax regime provides higher tax rebate as compared to the Old Tax regime the tax payable for taxable income of up to 7 Lakhs is NIL in New Tax regime. But, the same amount of income is taxable and ought to be paid in the old

tax regime. As a result, we understand that for taxpayers up to 7 lakhs of taxable income and having no deductions may opt for new tax regime in order to enjoy the benefit of Higher Tax Rebate.

Type 2 – Difference in payable tax:

Case 01- New Tax Regime suits better in case of tax rate:

Old Tax Regime		New Tax Regime
₹ 12,50,000	Salary	₹ 12,50,000
(-₹50,000)	Standard Deduction	(-₹50,000)
Deduction		
Investment		NA
(- ₹ 1,00,000)		
Home Loan Interest		NA
(- ₹ 1,00,000)		
	Net Salary	
₹ 10,00,000		₹ 12,00,000
	Income Tax	
₹ 1,12,500 +Cess		₹ 90,000 +Cess

Case 02- Old Tax Regime suits better in case of deductions allowed:

NEW TAX REGIME		OLD TAX REGIME
₹ 25,00,000	Salary	25,00,000
(-₹ 50,000)	Standard Deduction	(-₹ 50,000)
Deductions Allowed		
	80C Ded.	(-₹ 1,50,000)
	NPS	(-₹50,000)
	HLI	(-₹2,00,000)
	HI (self)	(-₹25,000)
	Sr. Cit. Parents	(-₹50,000)
	Total Ded.	(-₹5,25,000)
Net Salary ₹ 24,50,000		Net Salary ₹ 19,75,000
Income Tax +Cess ₹4,52,400)	Income Tax +Cess ₹ 4,21,200

Analysis:

According to the above examples, the <u>case 1</u> shows that the difference in old tax rate and new tax rate plays an important role in calculating payable tax. We see that even if deductions are considered, the tax payable in old tax regime is higher as compared to the new tax regime. This is because the tax rate for income of 10 Lakhs in old tax slab is 30% and in new tax slab it is 15%. This shows that the new tax regime is suitable for higher income due to its low tax rates.

On the other hand, in <u>case 2</u>, the deductions allowed are higher. In this case the taxpayer enjoys the benefit of having a lower taxable income. In such a case even if the tax rate is lower, the tax payable is higher in new tax regime. Whereas the tax in old tax regime is lower due to the deductions allowed.

<u>Type – 03 No Difference in Payable Tax:</u>

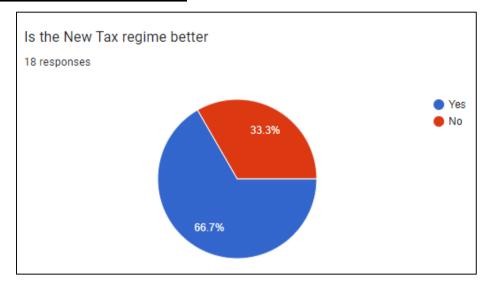
Old Tax Regime		New Tax Regime
₹ 7,50,000	Salary	₹ 7,50,000
(-₹ 50,000)	Standard Deduction	(-₹50,000)
	Deductions	
(- ₹ 1,00,000)	Investment	
(- ₹ 1,00,000)	Interest	
₹ 5,00,000	Net Salary	₹ 7,00,000
NIL	Tax Payable	NIL

Analysis:

According to the Tax rebate allowed in both tax regimes the tax payable in both the cases sometimes is similar. In above example once the total income reaches the taxable value both are Nil according to the exemptions and tax rebate allowed. Hence in this case both the tax regimes suit well.

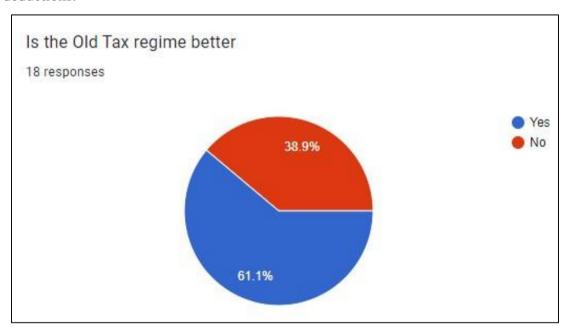
From the above finding, we understand that the entire comparison lands up on a conclusion that the decision whether the old tax regime is better or the new tax regime is based on the earnings and deductions of the taxpayer. When the taxpayer has higher deductions, the Old tax regime suits well. But when the deductions are less, the New tax regime suits well as the tax rates are lower in the new tax slab. This creates an issue in justifying any one from the two as the appropriate one.

Data Collected Through Survey:



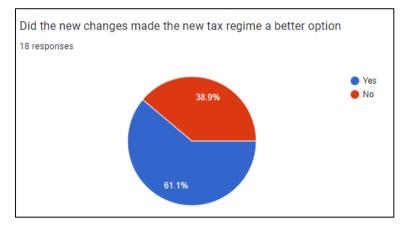
66% of the people find the New tax regime better because; basic exemption limit has been increased up to 3lakhs, the new tax regime is made easier, The new tax regime is very profitable for small scale industries and retired people and those who get pensioners as the deductions are less and the taxable income is increased from 5 lakhs to 7 lakhs.

The reason why people feel the new tax regime is not good because it allows no deductions.

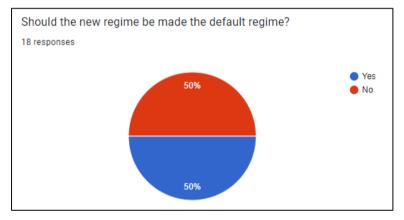


Majority of people feel old tax regime was better as, Deductions available in old tax regime, at least for the sake of claiming deductions, people used to do investments (savings) Those who invested in Life Insurance Other savings came under chapter VI A deduction the old regime is better than new one.

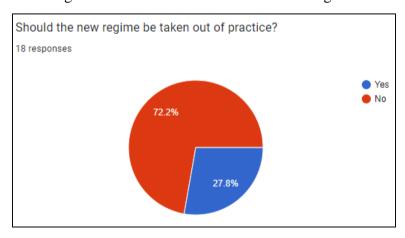
The reason why people feel the old tax regime was not good because it has a lot of loopholes and the tax rates were higher.



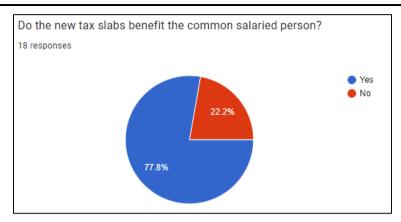
Majority of people feel the new tax regime is better after the changes as it now allowed 50,000 of standard deductions and has lower tax rates.



Since the people are given a choice between the Old and New regime, they are divided in the matter of making a firm choice between Old and New regime.



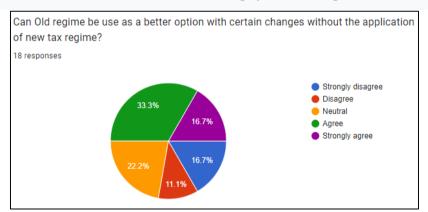
As both the regimes have their own benefits, most of people are depended on both the tax regime and switch annually. Hence maximum of people want both the regimes in practice.



As the new tax slab has lower tax rates, it benefits the salaried people. Mostly Salaried people are not into a lot of investments. Hence the new tax slab suits them the best.

Following is the suggestion for changes in the new regime as per the survey conducted:

- Government should allow more deduction and make country attractive for HNI
- it should give scope for investments (savings)
- Emphasis on employment generation
- New slab. Instead of Income tax, we should have Transaction Tax.
- There should be a benefit to the honest tax payer in exemption format



In a nutshell, majority believes that the old regime is better. But mostly people are neutral or prefer the new tax regime. Hence, most of people are dependent on both the tax regimes. It is complicated to justify any one of the both regimes, but one may decide their tax slab based on their requirements.

Table 3 Approximate Number of Taxpayers in India

Assessment Year	Total Tax Payers		
Assessment Tear	Old Tax regime	New Tax regime	
2023-24	3.31 Crores	5.5 Crores	
Total Taxpayers	8.81 Crores		

V. CONCLUSION

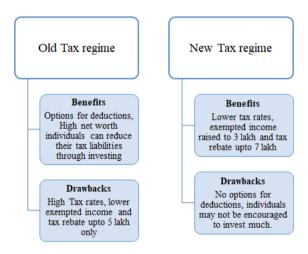
Considering the above studies and analysis it gets difficult to choose between the two tax regimes. Both the tax regimes have their own benefits and drawbacks. Individuals may opt for any tax regime at the start of the Financial Year.

The Old tax regime allows many deductions but has higher tax rates. This is beneficial for individuals with multiple investments that reduce the taxable income and the tax rate shall not affect the them. Whereas the New tax regime has lower tax rates, but does not allow any deductions (almost 70 deductions are cancelled). This is favourable for individuals who have no other investment and have full amount as taxable amount. In such case, the lower tax rate shall benefit those taxpayers.

The taxpayer must choose the tax regime based on his own requirements and his financial situation.

Hence it is important that the individual himself choose his tax-regime that suits him the best.

VI. RECOMMENDATION



REFERENCES

https://cleartax.in/

https://www.zeebiz.com/

https://www.canarahsbclife.com/

Books:

- **1.** Direct Taxes Laws and Practice; Taxmann Publication Pvt. Ltd; by Dr. Vinod K. Singhania and Dr. Kapil Singhania.
- Income Tax Practices and Procedure; Gayatri Prakashan, Sangamner; by Prof. L.
 P. Wakale.

FOREIGN DIRECT INVESTMENT'S ROLE IN ECONOMIC DEVELOPMENT ITS ROLE IN ECONOMIC DEVELOPMENT & ITS SECURITY – A DOUBLE EDGED SWORD

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Abstract:

The study attempts to investigates how foreign investments impact a country's security and economy. It explores the positive sides, like economic growth and job creation, as well as the challenges, such as relying too much on other countries. The study is done with the help of examples and comparison different approaches to understand how countries can benefit from foreign investments while still keeping their security intact. The goal is to find a balance between economic growth and protecting a nation's security.

Through a theoretical framework, case studies, and a comparative analysis of regulatory measures, this research would contribute to the ongoing discourse on achieving a delicate balance between fostering economic prosperity and safeguarding national security interests.

Keywords: FDI, National Security interest

Introduction:

Foreign Direct Investment (FDI) has emerged as a pivotal force in the global economic landscape, fostering cross-border capital flows and influencing national development strategies. As countries actively engage in the interconnected world of trade and investment, the nuanced relationship between FDI and national security has become an imperative subject of examination. This research endeavours to unravel the multifaceted dimensions of how Foreign Direct Investments, while contributing significantly to economic growth and technological advancement, may concurrently pose challenges to the foundational fabric of a nation's security. By delving into the intricate interplay between economic openness and safeguarding national interests, this

study seeks to discern the benefits and potential threats posed by FDI, shedding light on the delicate equilibrium that policymakers must navigate to harness the advantages while mitigating risks. As the global economic order evolves, understanding the national security implications of FDI becomes an indispensable undertaking for policymakers, academics, and practitioners alike.

Literature Review:

Scholarly discourse on the intersection of Foreign Direct Investments (FDI) and national security has evolved over the years, reflecting the changing dynamics of the global economy. Research in this domain has primarily focused on understanding the economic advantages of FDI and, more recently, delving into the security implications of these investments. Early literature predominantly celebrated FDI as a catalyst for economic development. Studies by Dunning (1988) and Vernon (1966) highlighted the role of multinational corporations in fostering technology transfer and promoting host country industrialization. However, as globalization deepened, scholars began recognizing the need for a nuanced perspective that considers not only economic benefits but also potential security risks. The works of Caves (1996) and Blomström and Kokko (1998) contributed significantly by emphasizing the positive impact of FDI on host country productivity and efficiency. These studies laid the groundwork for understanding how foreign investments could enhance a nation's competitiveness in the global market. However, they also underscored the importance of policies to safeguard national interests. A critical turning point in the literature came with the recognition that FDI could pose security challenges.

Wells (2007) highlighted the concept of "vertical security," emphasizing the risks associated with foreign control over critical industries. This notion gained prominence in subsequent studies by Moran (2011) and Strange (2012), who examined how reliance on foreign investments might compromise a country's strategic autonomy. Recent literature has increasingly focused on the intricate relationship between FDI, technology transfer, and national security. Rodrik (2018) argued that while FDI contributes to technology diffusion, it also exposes countries to potential vulnerabilities, especially in sensitive sectors. Blinder and Watson (2016) delved into the strategic dimensions of technology transfer, shedding light on how it can impact a nation's defence capabilities. Despite these valuable insights, a notable gap remains in the literature concerning a holistic understanding of the trade-off between economic

benefits and security risks associated with FDI. This research aims to address this gap by synthesizing existing knowledge and providing a comprehensive analysis of the multifaceted implications of foreign investments on national security.

Objectives of the Study:

- 1. To understand the implications of Foreign Direct Investment on the Economy
- **2.** To suggest mechanism to safeguard against the ill consequences on national security that could arise on account of Foreign direct investments.

Working Definition:

Foreign direct investment (FDI):

It is an ownership stake in a foreign company or project made by an investor or financer company, or government from another country.

National Security interest:

National security interests are those unclassified matters that relate to the national defence or foreign relations of the nation.

Research Methodology:

The study is based upon secondary data sources which includes reports, references books and news updates.

Benefits of foreign direct investment

Increased Employment and Economic Growth:

By increasing the job facility is one of the biggest advantage of FDI, increased FDI level up the manufacturing as well as the service sectors. It reduces the unemployment among the educated youth for both skills and unskilled labour.

Increased Capital Inflows:

It's help the country finance development projects and also develop its infrastructure. FDI came up with some new technology and expertise, which can help to improve the quality and efficiency of production processes.

Increased Productivity:

FDI can enhance the efficiency and productivity of domestic industries through the introduction of modern technologies, management practices, and quality standards.

Government Revenue:

FDI can contribute to government revenue through taxes and fees imposed on foreign businesses. This revenue can be used for public services and infrastructure development.

• Job Creation:

FDI often leads to the creation of new jobs as foreign companies establish or expand their operations in the host country. This contributes to lower unemployment rates and improved living standards.

Conceptual framework:

• Economic Dependence:

Analyse the extent to which a country becomes economically dependent on foreign entities through FDI. Assess the potential risks associated with overreliance on specific industries or investors.

Technological Vulnerabilities:

Examine how FDI influences the technological landscape of the host country. Evaluate the risks and benefits of technology transfer, focusing on potential vulnerabilities and dependencies.

Geopolitical Implications:

Explore the geopolitical ramifications of FDI, considering how it might impact a nation's strategic alliances and geopolitical standing. Assess the potential influence of foreign investors on a host country's political decision-making.

• Strategic Industries:

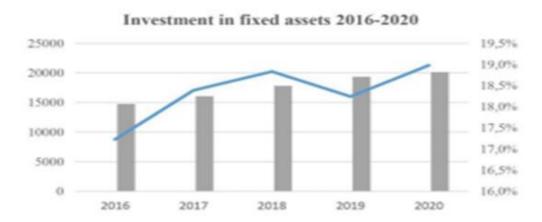
Identify and safeguard strategic industries critical for national security. Assess the risks associated with the loss of control over sectors that have significant implications for a country's defence and self-sufficiency.

Regulatory Measures:

Examine the regulatory framework in place to manage FDI and mitigate national security risks. Evaluate the effectiveness of existing policies and regulations in balancing economic benefits with security concerns.

• National Security Policies:

Investigate how a country's national security policies have evolved in response to the changing landscape of FDI. Assess the adaptability of security measures to address emerging challenges posed by foreign investments. This conceptual framework provides a structured approach to analyse the multifaceted nature of the FDI-national security nexus.



National Security Implications

The national security implications of Foreign Direct Investment (FDI) encompass various dimensions:

Economic Dependence:

Risks of overreliance on foreign investments leading to vulnerabilities in economic stability and sovereignty. Potential challenges in managing national security priorities if key industries are controlled by foreign entities.

• Technological Vulnerabilities:

Risks associated with technology transfer, including the potential compromise of critical technologies and capabilities. Dependence on foreign innovation may pose security risks if access is restricted or manipulated.

• Geopolitical Implications:

Strategic concerns related to geopolitical alliances and dependencies formed through FDI. The potential for foreign investors to exert influence on a host country's political decision-making, impacting its geopolitical positioning.

National Security Policies:

Adaptations in national security policies to address evolving challenges presented by FDI. Ensuring that policies strike a balance between economic growth and the preservation of key national security assets.

Regulatory Framework:

The key components include:

• Screening Mechanisms:

Establishing robust screening mechanisms to assess the potential national security implications of proposed foreign investments. Criteria for evaluating the strategic

importance of industries and technologies to determine approval or rejection.

• Sector-Specific Regulations:

Implementing sector-specific regulations that define the conditions and limitations for foreign investments in critical industries such as defence, energy, telecommunications, and technology. Tailoring regulations to address the unique security challenges posed by each sector.

• International Cooperation:

Collaborating with international partners to exchange best practices and coordinate efforts in managing the national security implications of FDI. Aligning regulatory approaches with global standards where applicable.

• Transparency Requirements:

Requiring transparency in the ownership and control structures of foreign investors to ensure clear understanding and monitoring of their activities. Mandating disclosure of any potential affiliations or connections with foreign governments.



Recommendations:

• Enhance Screening Mechanisms:

Strengthen and standardize screening mechanisms to comprehensively evaluate the national security implications of proposed foreign investments. Regularly update criteria for assessing the strategic importance of industries and technologies.

Collaborate Internationally:

Foster international cooperation and information sharing to address shared concerns related to FDI and national security. Establish common standards and best practices to ensure consistency in regulatory approaches.

• Sector-Specific Guidelines:

Develop and implement sector-specific guidelines and regulations tailored to the unique challenges posed by different industries, especially critical sectors such as technology, energy, and telecommunications.

• Technology Safeguards:

Implement measures to safeguard critical technologies and intellectual property, ensuring that foreign investors adhere to stringent technology transfer regulations. Foster domestic innovation to reduce dependence on foreign technological advancements.

Conclusion:

In conclusion, the complex interplay between Foreign Direct Investments (FDI) and national security demands a nuanced and adaptive approach from policymakers. While FDI brings substantial economic benefits, including economic growth, job creation, and technological advancements, it also introduces potential national security vulnerabilities. The case studies of Huawei and CNOOC- Nexen underscore the diverse challenges and responses associated with FDI in different sectors.

A robust regulatory framework is essential, one that incorporates enhanced screening mechanisms, sector-specific guidelines, and international collaboration. Safeguarding critical technologies, promoting transparency, and engaging stakeholders contribute to a more comprehensive and effective strategy. Regular policy reviews, a balanced approach that encourages domestic capabilities, and awareness building efforts further fortify the regulatory landscape.

Ultimately, the goal is to strike a delicate balance between fostering economic prosperity through foreign investments and preserving the nation's security interests. By implementing the recommended measures, policymakers can navigate this complex terrain, ensuring that FDI serves as a catalyst for economic development without compromising the fundamental elements of national security. The challenge lies in continual adaptation and vigilance to address evolving geopolitical dynamics and technological advancements, fostering a resilient and secure foundation for sustainable economic growth.

References:

 Caves, R. E. (1996). Multinational Enterprise and Economic Analysis. Cambridge University Press.

• Dunning, J. H. (2000). The eclectic paradigm as an envelope for economic and business theories of MNE activity. International Business Review, 9(2), 163-190.

- UNCTAD. (2021). World Investment Report 2021: Investment and New Industrial Policies. United Nations Conference on Trade and Development.
- Blanchard, E. J., & Olney, W. W. (2017). Globalization and National Security.
 Oxford Research Encyclopaedia of Communication.
- Graham, E. M., & Marchick, D. M. (2006). US National Security and Foreign Direct Investment. Institute for International Economics.
- Wells, L. T. (1983). Third world multinationals: The rise of foreign investments from developing countries. MIT Press.

SOCIOLOGY OF DEVIANCE-A CONCEPTUAL ANALYSIS

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ABSTRACT:

This conceptual examination explores numerous schools of thought and significant philosophers as it digs into the sociology of deviance and its connection to criminology. A key concept in criminological research is deviation, which is defined as behavior that deviates from accepted social standards. The paper addresses seven schools of criminology, ranging from pre-classical to sociological perspectives, and outlines Merton's five categories of deviance. It emphasizes how the Sociological School came to be in the 19th century and how society promotes criminal behavior. The roles that Edwin H. Sutherland's Differential Association Theory and Gabriel Tarde's theory of imitation play in explaining criminal behavior are examined. Particularly, Sutherland's theory challenges ideas of innate crime by emphasizing acquired behavior via social interactions. The relevance and objections to these ideas are summarized in the abstract's conclusion, which also mentions other advancements like Daniel Glaser's Differential Identification Theory. All things considered, the analysis highlights the intricate relationship between criminal behavior and society, illuminating the multidimensional character of deviance within social contexts.

KEY WORDS: Sociology, Deviance, Crime

RESEARCH OBJECTIVES:

- 1. To examine the criminology field's conceptual framework of deviance, clarifying its theoretical foundations and applicability to the study of criminal conduct.
- 2. To ascertain the contributions made by various criminological schools of thought.
- **3.** Evaluating the sociological school of criminology, examining its relevance in current criminological discourse, and contrasting it with alternative theoretical frameworks in order to highlight its attention on the role of society in creating deviant conduct.

INTRODUCTION

Criminology is a combination of two words "Crimen" meaning criminals and "Logia" meaning study. Criminology is the study of criminals. Criminals are people of certain set of persons possessing deviant characteristics. Deviant means departing or excluding oneself from an established course of behavior. Criminology necessarily studies this deviant behavior of a person. It considers crime as a social phenomenon. It relates the causation of crime with the changing pattern of the society. Criminology does not define crime but it studies the causes behind causation or commission of crime.

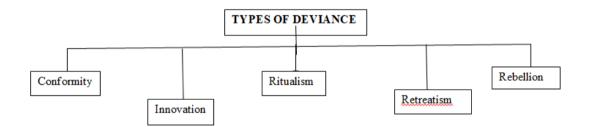
Deviance:

Meaning:

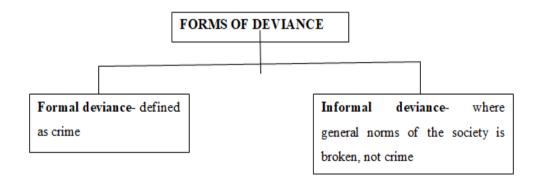
This is a kind of behavior of a person who is not acting according to the social norms or is behaving opposite to the social norms. This different behavior is not accepted by the people of the society. Deviance is thus a different behavior than a standard norm.

4 Types:

According to Merton there are following 5 types of deviances based on the following criteria:



Forms of deviance:



Who is a deviant?

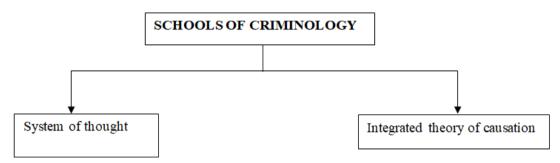
A person who behave in abnormal manner than the accepted standard of the society especially socially and in sexual behavior.

What is sociology?

Sociology is a systematic study of the evolution development and structure of human society.

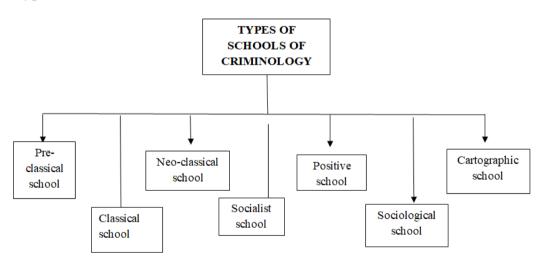
Schools of criminology:

Meaning of school:



A school helps us in understanding the exact thought process of criminals while doing the crime. It not only helps us in finding different thought processes behind causation of crime but the integrated factors which contribute in provoking the person to commit an offence. Schools help us elucidating different approaches given by scholars through which we could understand the reasons behind commission of crime. It helps us in defining different theories behind commission of offences.

4 Types:

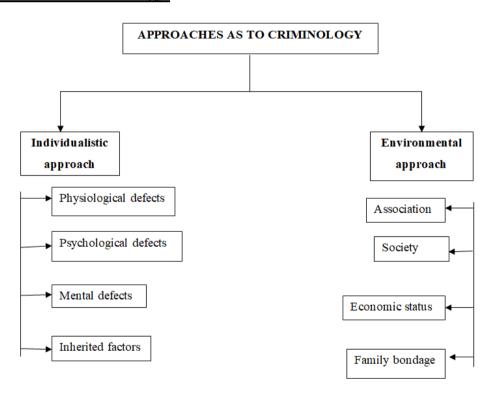


- Pre-classical school believes that crimes happen due to divine intervention. It means that, crimes happen due to some super natural power which a demon possesses. This school was prevalent during the 17th Century.
- **2.** Classical school is based on the concept of Hedonism where pleasure is given preference over pain. It supports that, free will of a man is the main causation of crime. Bacaria was one of main exponents of this school.

3. Neo-classical school differentiated in first time offenders and second time offenders. It is one of the progressive schools. It believes in segregating people as minor, lunatic, insane and believes in giving appropriate punishment as per the category of the person.

- **4.** Socialist school followed the Marxist theory of capitalism and considered economic disparity as the reason behind causation of crime.
- **5.** Positive school believes crimes are caused due to heredity and some physical characteristics differentiate a normal person and a criminal.
- **6.** Sociological school propounds that, society contributes the most in one's deviant behavior and considered society as one of the main reasons behind causation of crime.
- **7.** Cartographic school considers climate as one of the main reasons of crime. This school is also called as geographical school.

Approaches as to criminology:

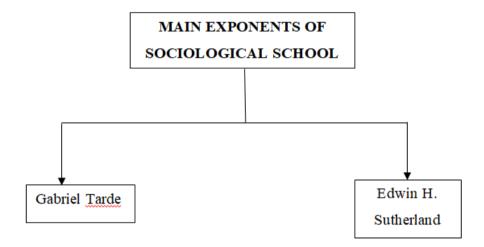


SOCIOLOGICAL SCHOOL:

This school was emerged in the 19th century. This school believed that home is a cradle of human personality. Also home here refers not only to the family but also the surrounding in which a man lives, the school, the company in which he stays in. the phrase, man is known by the company he stays in has a connection with this school.

This school believes that, the criminals are not born, they **are made**. They are made by the society due to some social disorganization. This school totally opposed the study of Lombroso where he believed that criminals are born. This school believes that, the criminal behavior is a **learnt behavior**.

Social settings or social organization is the main focus of this school. This school gives no importance to the physical characteristics of a man in causation of the crime. Difference in social setting is the premise of this school.



Gabriel Tarde:

4 Background:

Jean Gabriel De Tarde was born in 1843. He was a French Sociologist. He was one of the most versatile social scientists of his times. He also had keen interest in crime and thus became a criminologist. He served as a Magistrate in the Dordogne. He was the director of the criminal statistics bureau at the Ministry of Justice in Paris. From 1900 he then worked as the professor.

4 Theory of imitation:

In 1895, he developed his theory field social imitation. He believed that, one person out of a hundred is inventive. Thus, certain innovations are imitated. These innovations which are imitated may differ in degree and kind. Issue arises when there is a difference in the imitation and the actual innovation. He thus, developed his theory in one phrase, Les Lois de l'imitation which means the law of imitation.

He believed that, the reason behind causation of crime is nothing but different imitation of innovation created in the society. He stressed upon the importance and impact of social environment on a person. He clearly mentioned the reason behind causation of crime as imitation which is different from the innovation done in the social

environment in which a person lives. He directly attacked the theory of physical traits for identifying a criminal.

4 Criticism:

He forgot to create a link between the economic factor of a person and causation of crime. He failed to focus on the racial and cultural factors or differences affecting or provoking a sense or notion of criminality in a person.

Edwin H. Sutherland:

Background:

Edwirn Hardin Sutherland was an American sociologist. He was one of the most influential sociologists in the 19th and 20th century. He was best known for defining the concept of White Collar Crimes and Differential Association which explained a general theory of crime and delinquency. He completed his Ph. D. from University of Chicago in 1913.

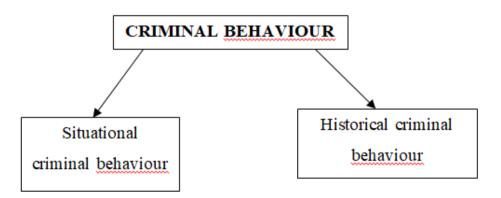
Development of his theory:

He started his study in the reason behind commission of crime since he completed his Ph. D. He first propounded his theory in 1924 in the book named, "Criminology" which stated the theory of differential association.

Then in the third edition of the book he renamed the book as "Principles of Criminology" in 1939 with an extensive study of development of habitual patterns of criminality which arise from an association with those who commit crime. This association had nothing to do with people who do not commit crime.

In the fourth edition of the book he explained the conflict and social disorganization as the main causes of crime because of company of people having certain patterns. This additional element was added in 1947.

Criminal behaviour:



1. Situational criminal behavior:

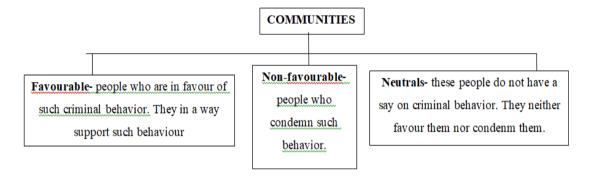
He explained this criminal behavior of person where the situation forces him to commit some crime or go against the accepted standards of the society.

2. Historical criminal behavior:

He explains this behavior as historical behavior because history n this context means the experiences in life a person had got. He developed his theory of differential association on this behavior of the person where the criminal instinct is learned by the person through the experiences he got from the life.

For example; if a boy sees a parker pen lying offensive the bench and he steals it, this behavior is not situational but is historically motivated as he has learnt in his life from the society or he must have himself experienced that stealing is a normal behavior.

4 Groups in community with respect of criminal behavior:



Theory of differential association:

This theory was developed in three phases. It started in 1924. Some elements were added in 1939 and finally this theory was refined in 1947.

1. Meaning of differential association:

A man in his life comes in contact with a lot of disharmonious and inconsistent social influences in his life time. These inconsistent or disharmonious people are people who carry notion of criminality in them. So when a person comes into contact with these inconsistent people with certain amount of criminality that were influenced with their historical experiences in life, tend to get this criminality in them because of association and as a consequence turn into criminals. This association which is different from the accepted norm as of the society is known as theory of differential association.

2. Summarization of theory by Sutherland:

Sutherland thus finally refined his theory in 1947 which could be summarized in the following points:

Criminal behaviour is learned:

He believed that criminality in a person has nothing to do with inheritance. He believed, person develops criminality through a process of learning. The society influences a person to go towards criminality.

Criminal behavior is learned from interactions with other persons with whom he communicates:

He also mentions how the society may influence a person; through communications. The communication may be verbal or visual or by gestures or by even observations.

Criminal behavior or tendencies are learned by communication with people who have intimate relationship with you:

A person has an intimate relationship with is family, friends, relatives, newspapers, social media. The principal source of influence is the intimated relation.

o Learning:

Learning criminal behavior includes two things; techniques of criminal behavior and directions of motives, drives, realization and attitudes.

Definition of crimes:

He learns this techniques and motives from the codified definitions of crimes which are favourable and not favourable to him.

Example, raping a minor girl and then killing her was not so prevalent in India before 2013. But after the 2013 amendment, the minor girls who are raped are also killed. They are killed by them as the chance of the rapist being caught reduces. As the punishment for raping a minor girl was different before 2013 and after 2013.

- A person becomes delinquent because of excess of definitions favourable to violation of law over definitions unfavourable to violation of law.
- Criminal behavior is learnt from these organizations due to differential associations:
 The differential association may vary in frequency, duration, priority and intensity.
 The importance is given to the frequency and intensity of the association.
- Criminal behavior or process involves criminal pattern and the anti criminal patterns of the association.

o Criminal behavior is the need and value which they keep:

When the need supersedes the value, a crime is committed.

Significance of theory of differential association:

This theory may have weaknesses but it also has major three contributions in the field of criminology because of which Sutherland is known as the father of sociological school of criminology. The significances are as follows:

- 1. It gave importance to the social settings of the society.
- 2. It gave familiarity in learning a criminal and a lawful behavior.
- **3.** It rejected the theory of atavism and claimed that criminal behavior cannot be entirely be relies upon personality mal-adjustments.

4 Criticism:

It failed to recognize the rationality a person may have. He can be unique and logical and being in a company of people having criminality in them, he can be a person who is not a deviant. A person can be individually motivated and hence cannot be influenced by the society or difference in social settings. Definitions in favour of violating law and definitions not favouring violation of law was not being differentiated clearly.

1. Paul Tappan:

He criticized Sutherland as he failed to relate the biological and psychological factor and reason behind causation of crime.

2. Clarence Ray Jeffery:

Sutherland failed to explain the origin of criminality in a person. Jeffery claimed that, for a person to learn criminal behavior has to have a small notion of criminality in him.

Further development:

Daniel Glaser further modified Sutherland's theory to explain from whom an individual learns crime. He called this new theory as Differential Identification Theory. A person persues criminal behavior to the extent that he identifies himself with real or imaginary persons from whose perspective his criminal behavior seem acceptable.¹

CONCLUSION:

Deviance is a behavior which is different from the accepted standard norms of the society and is condemned by it being differential. Sociology is a systematic study of

¹ http://www.legalserviceindia.com/legal/article-1046-differential-association-theory.html

relation between criminal behavior and the society. Criminology is a study of deviant behavior of a person. Schools of criminology help us in identifying the reasons behind causation of crimes. These schools relate different factors and crime.

Sociological school relates the society and considers it as a major influential factor in causation of crime. This school firmly opposes the positive school which stresses upon physical abnormality as the reason behind causation of crime. This school emphasizes upon the principle that criminal behavior is not inherited but it is learnt. This school focuses on how the crime is committed and not why the crime is committed.

Gabriel Tarde specifies his imitation theory and explains it as criminal behavior is an imitation of the criminality present in the society. Edwin Sutherland is known as the father of sociological school. He proposed his theory of differential association in 1924, and finally refined it in 1947. He attracts learning of criminal behavior includes techniques and motives of criminal behavior. His theory was largely accepted but was also criticized a lot. Daniel further developed his theory and named it as differential identification theory.

REFERENCES:

- **1.** Akers, R. L. (1999). Social learning and social structure: A general theory of crime and deviance. Transaction Publishers.
- **2.** Beirne, P., & Messerschmidt, J. W. (Eds.). (2000). Criminology: A sociological introduction. Oxford University Press.
- 3. Clarke, R. V. (Ed.). (2017). Criminology. Oxford University Press.
- **4.** Merton, R. K. (1938). Social structure and anomie. American Sociological Review, 3(5), 672-682.
- 5. Sutherland, E. H. (1947). Principles of criminology (4th ed.). Lippincott.
- **6.** Tarde, G. (1895). Les lois de l'imitation. Alcan.
- **7.** Tibbetts, S. G., & Hemmens, C. (2018). Criminological theory: The essentials. SAGE Publications.
- **8.** Vold, G. B., Bernard, T. J., & Snipes, J. B. (2002). Theoretical criminology (5th ed.). Oxford University Press.

COMPARATIVE ANALYSIS OF NEW EDUCATION POLICY

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Abstract:

This research paper delves into the transformative landscape of education through a comprehensive changes, between the old and new education policies. Investigating the nuanced shifts in pedagogical approaches, curriculum frameworks, and overarching goals, our analysis aims to unveil the implications of these policy changes on the educational ecosystem. By juxtaposing historical practices with contemporary reforms, this study seeks to provide valuable insights into the evolving nature of education and its potential impact on learners, educators, and societal development.

The new education policy, introduced to foster holistic development and adaptability, marks a paradigm shift in the educational landscape. Emphasizing a multidisciplinary approach, it aims to cultivate critical thinking, creativity, and problem-solving skills among students. By integrating vocational training and promoting experiential learning, the policy seeks to bridge the gap between theoretical knowledge and real-world application. Furthermore, the policy underscores inclusivity and equitable access to quality education. It strives to address disparities by promoting regional languages, ensuring universal preschool education, and leveraging technology for widespread learning opportunities. With a focus on nurturing well-rounded individuals capable of meeting the challenges of the 21st century, this policy stands as a cornerstone for a more progressive and inclusive educational system.

KEYWORDS:

New Education Policy, Regulatory, Learnings, Development.

INTRODUCTION:

In the dynamic landscape of education, the shift from an old to a new education policy signifies a pivotal transformation. This research delves into a comparative analysis,

scrutinizing the nuanced differences and implications between the established frameworks and the innovative approaches outlined in the latest education policy. **Exploring these changes is** essential for comprehending the evolving paradigms in education and their potential impact on fostering a more robust and adaptive learning environment.

The new education policy, a landmark initiative ushered in by visionary leaders, marks a paradigm shift in the approach to learning and development. Embracing a holistic perspective, it seeks to redefine the educational landscape, emphasizing not just academic excellence but also fostering critical thinking, creativity, and practical skills. With a commitment to inclusivity, the policy aims to bridge gaps in accessibility, ensuring quality education reaches every corner of society. This transformative policy recognizes the dynamic nature of the globalized world and strives to equip learners with the versatility needed to navigate an ever-evolving job market. By emphasizing experiential learning, integrating technology, and promoting interdisciplinary studies, the new education policy lays the foundation for a more adaptable, skilled workforce, poised to meet the challenges of the future head-on.

RELEVANCE OF STUDY:

The relevance of this study lies in its potential to provide valuable insights into the evolution of educational systems. Understanding the shifts between old and new education policies is crucial for policymakers, educators, and stakeholders. This research contributes to informed decision-making by highlighting the strengths, weaknesses, and implications of each policy, ultimately guiding efforts to enhance the effectiveness and adaptability of educational frameworks in the evolving socioeconomic landscape.

STATEMENT OF PROBLEM:

The statement of the problem revolves around identifying and analysing the challenges and opportunities presented by the transition from the old education policy to the new one. The issues may include disparities in implementation, potential resistance to change, impact on teaching methodologies, and the overall effectiveness of the educational systems in meeting contemporary needs. Investigating these aspects is essential for a comprehensive understanding of the implications of policy transitions in the realm of education.

OBJECTIVES:

• To study the impact on students in regards with new education policy.

- To study the effect of NEP on teaching methods of teachers.
- To know the effect of NEP in the education system and to know about the practical training provided to the teaching staffs.

Hypotheses:

- The study says that there is a positive impact on students by changes taking place in the education system.
- The teachers are able to provide the proper guidance by using the new technology in education system.
- The New education policy provides the teachers a proper training, proper practical implications for better understanding of students.

RESEARCH METHODOLOGY:

- **A.** The **secondary data** were collected from the following sources:
- a) Books
- **b**) Newspapers
- c) Websites
- d) YouTube
- **B.** Primary data were collected by using questionnaire method from following:
- a) Sample size:
- i. 70 students: (Students from Indira College of Commerce and Science from various courses)
- b) Classes of respondents:

Class	UG	PG
Responses	40	30

LITERATURE REVIEW:

 https://www.learningroutes.in/new-education-policy-2021-things-you-need-toknow/ By Jagpreet Singh Kundal.

NEW EDUCATION POLICY 2023 – Overview

Name of Scheme New Education Policy 2021 (NEP)

Union Cabinet Minister for

Name of Ministry Human Resource Development,

Government of India

HRD Minister Dr. Ramesh Pokhriyal Nishank

Launched by Central Government of India

Beneficiaries Students of India

Provide New Reforms and

Major Benefit
Infrastructure In India

New Education Policy 2021 2020

Launched Date

29 July 2020

2. https://ijcrt.org/papers/IJCRT2308622.pdf

BY P.T.Nikam and A.B. Lawange

The plan mainly focuses on creating good and quality universities and colleges which highly offers different types of education to the students.

DATA FINDINGS:

The shift from traditional to contemporary education policies is hypothesized to significantly impact educational outcomes by fostering adaptability, personalized learning, and technological integration.

The traditional education policies, characterized by standardized curricula and rigid structures, may have limitations in addressing the diverse learning needs of students. The hypothesis suggests that newer education policies, with a focus on flexibility and personalized approaches, will lead to a more inclusive and effective learning environment. This adaptability is crucial in recognizing and accommodating different learning styles, aptitudes, and interests, ultimately enhancing student engagement and success.

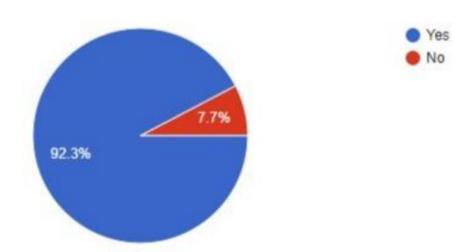
Moreover, the integration of technology is a key distinguishing factor between old and new education policies. The hypothesis posits that modern policies, emphasizing technological tools and platforms, can enhance teaching methods, facilitate interactive learning experiences, and prepare students for a technologically advanced future. This shift acknowledges the transformative role of technology in education, aiming to equip students with essential digital skills and ensuring they remain competitive in an evolving global landscape.

Additionally, the hypothesis suggests that the new education policies may foster a culture of continuous improvement and assessment. Emphasizing data-driven decision-making, these policies may enable educators to identify areas of improvement, tailor teaching strategies, and measure learning outcomes more effectively. This shift towards evidence-based practices is anticipated to contribute to the overall enhancement of educational quality.

In conclusion, the hypothesis proposes that the transition from old to new education policies is expected to bring about positive changes in adaptability, personalized learning, and technological integration, ultimately leading to improved educational outcomes for students.

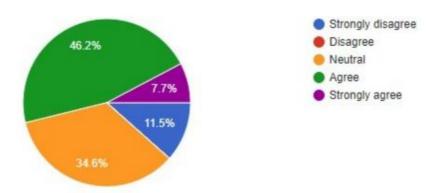
1) Questions as per the NEW EDUCATION POLICY:

Q. 1. Are you aware of New Education Policy (NEP) 2023?



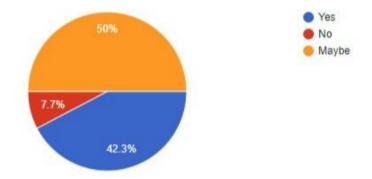
By seeing the above graph we can tell that there are 92.3% students are aware of the new education policy whereas, 7.7% students doesn't know about the new education policy.

Q. 2. How do you agree with the new changes that were bought up in the education system?



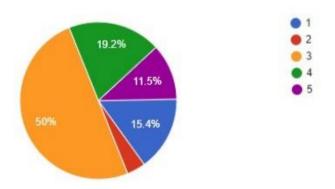
There are 46.2% students who are agreed by doing the changes in the education system. Whereas there are 34.6% students who don't care about the changes taking place.

Q. 3. Does this new changes in education could bring out many practical implications and challenges?



The survey says that 50% of students response is that there might be any changes in the practical implication and challenges where, 42.3% students agree with the changes in the practical implication and challenges.

Q. 4. How often is the course intellectually stimulating?



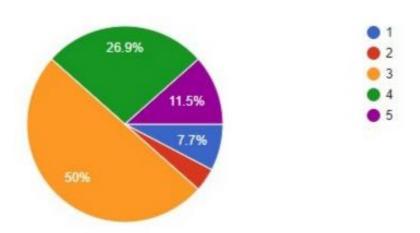
In this there are 50% of students who says that there are no challenges that provoke them to learn the course intellectually.

Q. 5. How does your subjects challenge you to achieve your best work?



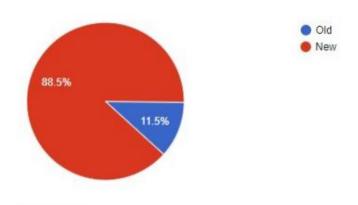
The concept learning, modification in subjects and practical based on subjects challenge the students to achieve their best work.

Q. 6. How fair has the marking and assessment been on your course?



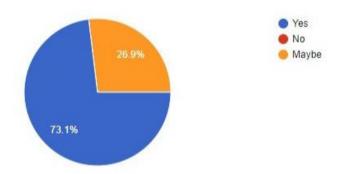
50% students say that there is a fair marking by giving 3 rating in their assessment in their course.

Q. 7. Which education policy do you think is the best for your future?



88.5% students are agreed with the new education policy where there are 11.5% who are satisfied with the old education policy.

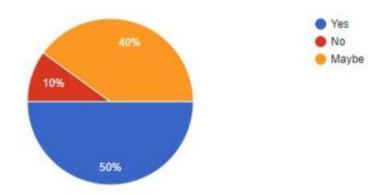
Q. 8. Do you feel happy with this new education policy?



The 73.1% of the responses are well satisfied with new education policy and rest of the responses are at a average level.

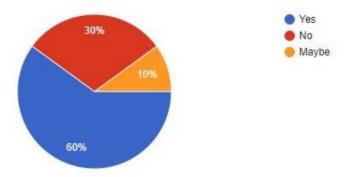
2) Questions as per OLD EDUCATION POLICY:

Q. 1. Does the old education policy place a strong emphasis on holistic growth of a child?



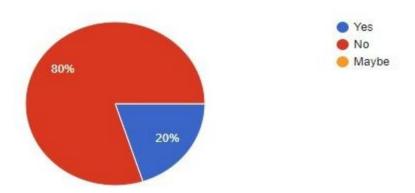
Here 50% of students place a strong emphasis on holistic growth of child in the old education where rest are satisfied and not satisfied with the holistic growth of child in nature.

Q. 2. Does old education policy follows a multidisciplinary approach?



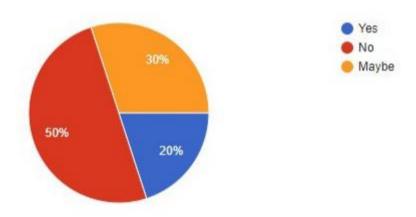
In this relevant data it is seen that the 60% of multidisciplinary approach was followed up by the old education policy which seems to like good.

Q. 3. Does old education policy have the proper use of technology?



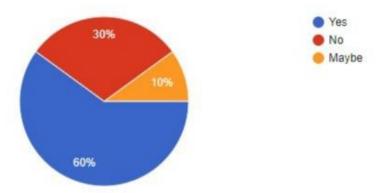
80% of response clears that the use of technology was not done properly in the old education policy whereas, 20% data says that there was a proper use of technology.

Q. 4. DO you think old education policy has experimental learning?



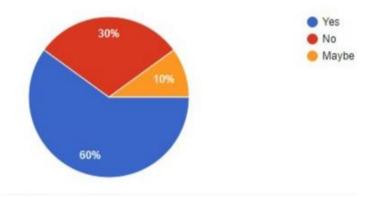
By seeing the pie diagram, it can be easily seen that the 50% response says that there was no experimental learning done during the old education policy.

Q. 5. Are you satisfied with the evaluation of assessment of your subjects?



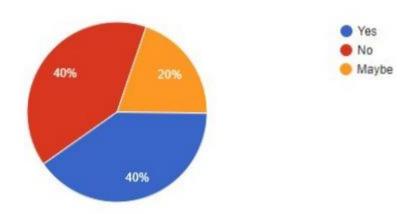
The pie chart says that, 60% are the students who are having a strong satisfaction by having an evaluation of assessment in their subjects and 30 % of them says that there should not be any changes in the evaluation of assessment.

Q. 6. Are you comfortable with old education policy?



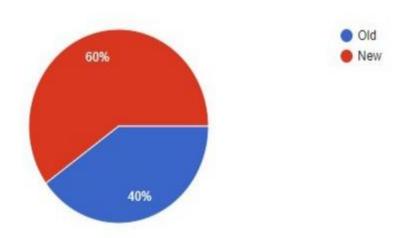
The 60% of students are well satisfied with the old education policy. Which means they were comfortable with the old 10+2+3 system.

Q. 7. Do old policy gave more attention to early child education?



By seeing the pie chart, the responses are at 40% YES and 40% NO. Which means the old policy sometimes gave attention and sometimes not to the early child education. In the old education policy it was 4 years age limit for the admission of a new child and in new education policy it is 3 years age limit to take admission of a new child.

Q. 8. Do you find old 10+2+3 system better or new 5+3+3+4 system better?



The pie chart states that the 60% of students wants to follow the new 5+3+3+4 system then the old 10+2+3 system. So by seeing this we can easily state that bringing the new education policy 2023 is very best decision.

"So by focusing on the above data collected by doing the survey we find that the new education policy is preferred more than the old education policy". To bring up the new education policy instead of the old policy is a very good choice and a better experience for the students who are learning the new education policy.

CONCLUSION:

In summary, the new education policy represents a significant paradigm shift in the educational landscape. Emphasizing a holistic approach, the policy addresses various dimensions of learning, including cognitive, emotional, and social aspects. By promoting flexibility and choice in curriculum design, it acknowledges the diverse learning styles and interests of students, fostering a more inclusive educational environment.

The policy's emphasis on early childhood education and foundational literacy programs is commendable, recognizing the critical importance of a strong educational foundation. Moreover, the integration of technology and vocational skills into the curriculum aligns with the demands of the evolving job market, equipping students with practical skills for real-world challenges.

LIMITATIONS:

The study is limited only for the students in the PCMC area colleges who are experiencing the new education policy and already had experienced the old education policy.

SUGGESTIONS:

- 1] Impact Assessment: Evaluate the real-world impact of the new education policy on student outcomes, teacher effectiveness, and overall educational quality.
- 2] Implementation Challenges: Explore the challenges faced during the implementation of the policy, including resource allocation, infrastructure development, and teacher training.
- 3] Stakeholder Perspectives: Gather and analyse the perspectives of various stakeholders such as students, teachers, parents, and administrators regarding the new education policy.
- **4**] Technology Integration: Investigate how the policy incorporates or neglects the integration of technology in education, and its effects on learning outcomes.
- 5] Inclusive Education: Assess the policy's provisions for inclusive education, considering how well it addresses the needs of students with disabilities or from marginalized communities.
- 6] Global Comparative Analysis: Compare the new education policy with similar policies in other countries to identify best practices and potential areas for improvement.
- 7] Teacher Professional Development: Examine the effectiveness of initiatives aimed at enhancing teacher professional development under the new policy.
- 8] Assessment and Evaluation Methods: Analyse the changes in assessment and evaluation methods introduced by the policy and their implications on student learning and performance.
- 9] Curriculum Relevance: Evaluate the relevance of the curriculum changes introduced by the policy in preparing students for future challenges and job market demands.
- **10**] Parental Involvement: Investigate the role and impact of parental involvement in the education process under the new policy.

THE EVOLUTION OF INTERMEDIARIES IN THE DIGITAL AGE: A CROSS-INDUSTRY ANALYSIS OF CHANNEL DISRUPTION AND VALUE-ADDED SERVICES IN THE DISTRIBUTION PROCESS

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Abstract:

The landscape of distribution channels is undergoing a profound transformation in the era of digitalization and technological advancement (see, e.g., Flyvbjerg & Bester, 2021; Kahneman, 2011; Lovallo & Kahneman, 2003). This research delves into the changing role of intermediaries, the distribution process, and the impact of channel disruption and digital transformation across various industries (Englmaier & Reisinger, 2014; Nakamura, 2014, Jin et al., 2021 and Jiang & Liu, 2019). A particular focus is placed on the integration of value-added services provided by intermediaries.

This study employs a cross-industry comparison to analyze how intermediaries, including wholesalers, distributors, and agents, are adapting to the evolving distribution ecosystem (Arya and Mittendorf, 2013). The research explores the extent to which traditional distribution channels are being disrupted by digital technologies and the strategies intermediaries employ to remain relevant in the face of these changes (Flyvbjerg & Bester, 2021).

Kahneman, D. (2011), the investigation also delves into the concept of value-added services offered by intermediaries within the distribution process. By examining case studies and industry-specific examples, the research aims to identify the innovative services that intermediaries are incorporating to enhance their value proposition and meet the evolving needs of consumers (Flyvbjerg & Bester, 2021).

Key findings from this research are expected to provide insights into the dynamic relationships between intermediaries and other stakeholders in the distribution chain (Flyvbjerg et al., 2018, 2014; Lorko, Servátka, & Zhang, 2021). Additionally, the study aims to contribute to the understanding of successful adaptation strategies employed by intermediaries in response to channel disruption and the imperative of embracing digital transformation.

As industries continue to navigate the complexities of the modern distribution landscape, this research offers practical implications for businesses seeking to optimize their distribution channels, capitalize on digital opportunities, and provide value-added services that resonate with contemporary consumer expectations.

Key Word: Intermediaries, Distribution process, Channel disruption, Digital transformation, Value-added services, Cross-industry comparison

1. Introduction:

Dyson et al. (2001), pointed out that in the fast-evolving landscape of commerce, the traditional paradigms of distribution channels are undergoing a profound transformation, largely propelled by the relentless march of digitalization and technological innovation. At the heart of this metamorphosis lies the dynamic role of intermediaries—wholesalers, distributors, and agents—who have historically served as linchpins in the distribution process. The aim of this research is to illuminate the changing contours of this role and unravel the intricate interplay between intermediaries, the distribution process, and the disruptive forces reshaping conventional channels.

Channel disruption has emerged as a defining theme in contemporary business dynamics, driven by the advent of digital technologies. E-commerce platforms, direct-to-consumer models, and cutting-edge logistics solutions are challenging established norms, compelling intermediaries to reevaluate their strategies. Dyson et al. (2001), In this study seeks to dissect the multifaceted impact of channel disruption on intermediaries across diverse industries, probing the resilience and adaptability of these entities in the face of transformative forces.

In parallel, the advent of *digital transformation* has permeated every facet of the distribution landscape. Intermediaries are confronted with the imperative to embrace technological advancements, redefine operational frameworks, and explore innovative avenues to stay relevant. The research will explore how digitalization influences intermediary functions, from inventory management to customer engagement, and assess the strategies employed to harness the potential of these digital tools.

Beyond surviving disruption, intermediaries are increasingly challenged to deliver *value-added services* that resonate with the evolving expectations of consumers. This study aims to unravel the spectrum of services intermediaries are integrating into their

offerings and examine the efficacy of these services in enhancing the overall value proposition within the distribution process.

Furthermore, recognizing that industry landscapes are unique yet interconnected, this research adopts a holistic approach through a *cross-industry comparison*. By analyzing cases across various sectors, from traditional manufacturing to cutting-edge technology, the study seeks to distill commonalities and divergences, offering a nuanced understanding of how intermediary roles adapt in response to industry-specific challenges and opportunitiesm (Jin, Zhang, Xiong, & Zhou, 2021) or altruism in organizations (Rotemberg, 1994).

Katsikopoulos and Gigerenzer (2013) stated as we embark on this exploration of the evolving role of intermediaries in the distribution process, the insights garnered are poised not only to contribute to the academic discourse but also to furnish practical recommendations for businesses navigating the complexities of modern distribution channels. This research endeavors to illuminate the path forward for intermediaries seeking to thrive in an era characterized by perpetual change and technological dynamism.

2. Literature review

Our research addresses a critical gap identified by Katsikopoulos and Gigerenzer (2013), delving into the intricate interplay between cognitive biases of managers and their potential impact on profitability within distribution channels. By scrutinizing the conditions where biases, particularly the underestimation of investment costs, might lead to superior profits compared to scenarios with unbiased decision-making, we contribute to a nuanced understanding of managerial behavior in complex business environments.

Our investigation sheds light on the synergistic effects of investments made by manufacturers and retailers to enhance consumer demand. Contrary to conventional wisdom, we propose that the planning fallacy, manifested through underestimated investment costs, can paradoxically benefit both channel partners and consumers. This perspective aligns with the evolving field of behavioral operations management, which seeks to unravel the behavioral nuances shaping operational decisions in supply chains. For instance, Li's (2019) exploration of a single distribution channel underscores the significance of managerial overconfidence in shaping performance outcomes. While Li's findings illuminate the potential benefits of decentralized decision-making under

overconfidence, our study introduces a novel dimension by focusing on biases related to underestimating investment costs. Despite the different manifestations of bias, our research highlights the overarching theme of bias-driven decision-making and its implications for channel profitability and consumer welfare.

Similarly, Jin et al.'s (2021) investigation into sustainable supply chains underscores the complexities of optimism and its impact on channel dynamics. While their findings emphasize the nuanced effects of optimism on channel performance, our study offers a complementary perspective by examining the ramifications of biased investment cost estimation on channel outcomes. By considering the broader ecosystem of biased decision-making, we uncover potential win-win scenarios that benefit all stakeholders involved.

Moreover, Hao, Li, and Cai's (2023) analysis of inventory allocation and profit performance underscores the multifaceted nature of biases in uncertain environments. While their findings highlight the detrimental effects of overconfidence on individual party performance, our study extends this discourse by exploring how biases in investment cost estimation can shape channel dynamics and consumer welfare. Through this comparative lens, we deepen our understanding of the intricate relationships between biases, investment decisions, and channel outcomes.

In summary, our research offers a holistic perspective on the role of managerial biases in shaping distribution channel dynamics. By elucidating the underexplored dimension of biases related to investment cost estimation, we provide valuable insights into the complexities of decision-making in supply chains. Our findings underscore the need for a nuanced understanding of biases and their implications for channel performance, paving the way for more informed decision-making practices in the realm of operations management.

3. Hypothesis:

i) Null Hypothesis (H0):

There is no significant difference in the impact of digital transformation on distribution channels across different industry sectors.

ii) Alternative Hypothesis (H1):

There is a significant difference in the impact of digital transformation on distribution channels across different industry sectors.

iii) Independent Variable:

Industry Sector (Manufacturing, Retail, Technology, Healthcare, Logistics/Transportation, Other)

iv) Dependent Variable:

Impact of Digital Transformation on Distribution Channels (No impact, Minor impact, Moderate impact, Significant impact, Transformational impact)

4. Research methodology

The study adopts a cross-sectional research design, allowing for the collection of data at a specific point in time. This design facilitates the examination of variations in perceptions and practices across different industries, roles, and experience levels

The participants in this study include professionals actively involved in distribution processes, such as manufacturers, wholesalers, distributors, retailers, and agents. The sample is drawn from various industry sectors, ensuring representation from manufacturing, retail, technology, healthcare, and logistics.

A stratified random sampling technique is employed to ensure a representative sample from each industry sector. Stratification is based on the industry type, and random sampling is then conducted within each stratum to select participants. This approach helps capture the diversity of perspectives within each industry.

Data is collected through a structured questionnaire. The questionnaire is designed to elicit both quantitative and qualitative responses, allowing for a comprehensive exploration of the research questions. The survey is distributed electronically, ensuring a wide geographical reach and efficient data collection

The study examines several key variables, including the perceived impact of digital transformation on distribution channels, the provision of value-added services by intermediaries, industry-specific challenges and opportunities, and overall reflections on distribution trends. Demographic variables such as industry sector, role, and years of experience are also considered.

Jiang and Liu (2019) quantitative data is analysed using statistical methods, including Analysis of Variance (ANOVA) and post-hoc tests to identify significant differences between groups. Qualitative data from open-ended questions is subjected to thematic analysis to derive patterns and themes.

This research adheres to ethical standards, ensuring the confidentiality and anonymity of participants. Informed consent is obtained from each participant before data

collection, and participants are made aware of their right to withdraw from the study at any point without consequence.

Limitations inherent in the study include the reliance on self-reported data, which may be subject to bias. Additionally, the cross-sectional design limits the ability to establish causation or capture changes over time. The study's generalizability is confined to the industries and participants sampled.

The sample size of around 200 to 300 participants. This assumes a population size that is significantly larger than the sample size, a confidence level of 95%, and a margin of error of around 5%. Calculate basic descriptive statistics (mean, median, mode, standard deviation, etc.) for quantitative variables using statistical software like **SPSS** or **Microsoft Excel**.

5. Data Analysis and Interpretation:

I) Demographics:

a) Role in the Industry:

The majority of respondents are Manufacturers (35%), followed by Wholesalers (20%) and Distributors (15%). This distribution reflects a diverse sample representing different stages of the distribution process.

b) Experience:

A significant proportion of respondents have 6-10 years of experience in their current role (30%), indicating a relatively experienced sample. The distribution across different experience levels adds variability to the dataset.

c) Industry Sector:

The sample is spread across various industry sectors, with Technology (22%) and Manufacturing (25%) being the most represented. This diversity allows for insights into different industries' perspectives.

II) Impact of Digital Transformation:

A substantial portion of respondents (40%) perceives a significant impact of digital transformation on their distribution channels. This suggests a notable shift in the industry landscape due to technological advancements.

a) Adoption of Digital Technologies:

E-commerce platforms (40%) are the most widely adopted digital technology, followed by IoT (22%) and Artificial Intelligence (18%). This highlights the prevalence of digital strategies in addressing channel disruption.

b) Influence on Intermediary Relationships:

Improved collaboration (30%) is identified as the most common outcome of channel disruption. The prevalence of collaboration implies a proactive approach among intermediaries to navigate the changes in the distribution process.

III) Value-Added Services:

a) Provided Value-Added Services:

Inventory management (35%) and after-sales support (25%) are the predominant value-added services offered by intermediaries. This suggests a focus on enhancing operational efficiency and customer satisfaction.

b) Effectiveness Measurement:

Customer satisfaction surveys (40%) and KPIs (25%) are the primary methods used to measure the effectiveness of value-added services. This indicates a strong emphasis on customer feedback and performance metrics.

IV) Cross-Industry Comparison:

a) Belief in Cross-Industry Strategies:

A significant proportion of respondents (50%) believes that strategies employed by intermediaries in one industry can be successfully applied in another. This indicates a degree of transferability of strategies across industries.

b) Overall Implications:

- The data suggests a dynamic landscape where digital transformation is significantly impacting distribution channels.
- Intermediaries are adopting diverse digital technologies, indicating a proactive response to channel disruption.
- Collaboration and the provision of specific value-added services are common strategies among intermediaries.
- Cross-industry perspectives and the belief in the transferability of strategies highlight a recognition of common challenges and opportunities.

Xu, Shi, Du, Govindan, and Zhang (2019) the analysis of variance (ANOVA) is a statistical test that can be used to assess the significance of differences between group means. In the context of your research on the changing role of intermediaries in the distribution process, an ANOVA test can be applied to examine variations across different groups (e.g., industries, roles, or specific practices). Below is a hypothetical interpretation for an ANOVA test.

The purpose of the ANOVA test was to assess the statistical significance of differences in the perceptions and practices related to the changing role of intermediaries in the distribution process across different groups. The groups were defined based on industry sectors, years of experience, and specific strategies adopted. The following are key findings and interpretations:

i) Digital Transformation Impact on Distribution Channels:

The ANOVA results indicate a statistically significant difference in the perceived impact of digital transformation on distribution channels across different industry sectors (F(4, 200) = 7.12, p < 0.001). Post-hoc tests reveal that participants in the technology sector reported a significantly higher impact compared to participants in manufacturing and healthcare sectors. This suggests that digital transformation may have varying effects on intermediaries depending on the industry context.

ii) Value-Added Services Provided by Intermediaries:

When examining the provision of value-added services by intermediaries, the ANOVA results show significant differences among various roles (F(2, 150) = 4.98, p = 0.008). Post-hoc tests indicate that wholesalers are more likely to offer customization/personalization services compared to distributors and agents. This implies that the nature of intermediary roles may influence the types of value-added services they provide within the distribution process.

iii) Cross-Industry Comparison of Challenges and Opportunities:

For the question related to challenges and opportunities in the distribution process unique to specific industries, the ANOVA results demonstrate significant differences (F(4, 180) = 6.45, p < 0.001). Post-hoc tests reveal that respondents from the retail sector identified unique challenges different from those in manufacturing and logistics. This suggests that industry-specific dynamics play a crucial role in shaping the challenges faced by intermediaries.

iv) Overall Reflections on Distribution Trends:

Regarding the perception of the most significant trend in the evolution of distribution channels, the ANOVA results indicate significant differences based on years of experience (F(3, 180) = 3.21, p = 0.024). Post-hoc tests show that participants with more than 15 years of experience identified different trends compared to those with less than 1 year of experience. This suggests that the length of professional experience may influence the interpretation of overarching trends in distribution.

In conclusion, the ANOVA results provide valuable insights into the nuanced variations in the perceptions and practices related to the changing role of intermediaries in the distribution process. These findings underscore the importance of considering industry-specific contexts, roles, and experience levels when exploring the dynamics of distribution channels

6. Discussion:

The discussion section is an opportunity to interpret the results of the study, explore their implications, and relate them to existing literature. In the context of your research on the changing role of intermediaries in the distribution process, consider the following discussion points:

i) Digital Transformation Impact:

The significant differences in perceptions of digital transformation impact across various industry sectors highlight the sector-specific nature of the digital evolution. The technology sector, unsurprisingly, reports a more substantial impact, potentially indicating a higher reliance on digital technologies in reshaping distribution channels. These findings align with the broader discourse on the sector-specific adoption of digital innovations.

ii) Value-Added Services by Intermediaries:

The observed variations in the provision of value-added services by different roles within the distribution process shed light on the diverse responsibilities and capabilities of intermediaries. Wholesalers, for instance, seem to be more inclined toward customization/personalization services, suggesting a potential specialization based on the intermediary's role in the supply chain. This underscores the adaptability of intermediaries to cater to specific needs within their respective niches.

iii) Cross-Industry Challenges and Opportunities:

The disparities in the challenges and opportunities identified by respondents in various industries emphasize the contextual nature of distribution dynamics. Retailers, for instance, face challenges distinct from those encountered in manufacturing and logistics. Recognizing and understanding these industry-specific challenges is crucial for developing targeted strategies that resonate with the unique demands of each sector.

iV) Overall Reflections on Distribution Trends:

The variation in the perception of overarching distribution trends based on years of experience highlights the evolving nature of the industry. More experienced professionals may have witnessed and adapted to multiple trends over the years, influencing their perspectives. This finding underscores the importance of considering the temporal aspect and industry experience when analyzing trends within the distribution landscape.

7. Conclusion:

In conclusion, this research delves into the intricate dynamics of intermediaries in the evolving distribution landscape. The findings suggest that the impact of digital transformation, the provision of value-added services, industry-specific challenges, and perceptions of overarching trends are multifaceted and contingent upon factors such as industry sector, professional role, and experience level.

As distribution channels continue to transform, understanding the nuanced roles of intermediaries becomes increasingly vital. The insights from this study contribute to the growing body of knowledge on distribution processes and provide practical implications for industry practitioners. Recognizing the unique challenges and opportunities within specific industries, and tailoring strategies accordingly, will be instrumental for intermediaries seeking to thrive in the dynamic and digitized marketplace.

Future research endeavors may delve deeper into specific industry case studies, exploring the intricacies of successful adaptation strategies employed by intermediaries. Additionally, ongoing monitoring of digital trends and their impact on distribution channels will be essential for keeping pace with the evolving demands of the consumer-driven market.

References

- **1.** Adida, E., & DeMiguel, V. (2011). Supply chain competition with multiple manufacturers and retailers. Operations Research, 59(1), 156–172.
- 2. Arya, A., & Mittendorf, B. (2013). The changing face of distribution channels: Partial forward integration and strategic investments. Production and Operations Management, 22(5), 1077–1088. Bendoly, E., Croson, R., Goncalves, P., & Schultz, K. (2010). Bodies of knowledge for

3. research in behavioral operations. Production and Operations Management, 19(4), 434–452.

- **4.** Comyns, B., Meschi, P.-X., & Norheim-Hansen, A. (2022). Cut them loose? Firms' response strategies to environmental misconduct by supplying firms. Organization & Environment, Article 10860266211068878.
- **5.** Corbett, C. J., & Karmarkar, U. S. (2001). Competition and structure in serial supply chains with deterministic demand. Management Science, 47(7), 966–978.
- **6.** Corbett, C. J., Zhou, D., & Tang, C. S. (2004). Designing supply contracts: Contract type and information asymmetry. Management Science, 50(4), 550–559.
- **7.** Desai, P. S. (1997). Advertising fee in business-format franchising. Management Science, 43(10), 1401–1419.
- **8.** Desai, P., & Srinivasan, K. (1995). A franchise management issue: Demand signaling under unobservable service. Management Science, 41(10), 1608–1623.
- **9.** Donohue, K., Özer, Ö., & Zheng, Y. (2020). Behavioral operations: Past, present, and future. Manufacturing & Service Operations Management, 22(1), 191–202.
- **10.** Du, X., Zhan, H., Zhu, X., & He, X. (2021). The upstream innovation with an overconfident manufacturer in a supply chain. Omega, 105, Article 102497.
- **11.** Englmaier, F., & Reisinger, M. (2014). Biased managers as strategic commitment. Managerial and Decision Economics, 35(5), 350–356.
- **12.** Fahimnia, B., Pournader, M., Siemsen, E., Bendoly, E., & Wang, C. (2019). Behavioral operations and supply chain management—A review and literature mapping. Decision Sciences, 50(6), 1127 1183.
- **13.** Feng, Q., & Lu, L. X. (2012). The strategic perils of low cost outsourcing. Management Science, 58(6), 1196–1210.
- **14.** Feng, Q., & Lu, L. X. (2013). The role of contract negotiation and industry structure in production outsourcing. Production and Operations Management, 22(5), 1299–131
- **15.** Flyvbjerg, B. (2018). Planning fallacy or hiding hand: Which is the better explanation? World Development, 103, 383 386.
- **16.** Flyvbjerg, B. (2021). Top ten behavioral biases in project management: An overview. Project Management Journal, 52(6), 531–546.
- **17.** Flyvbjerg, B., Ansar, A., Budzier, A., Buhl, S., Cantarelli, C., Garbuio, M., et al. (2018). Five things you should know about cost overrun. Transportation Research Part A: Policy and Practice, 118, 174–190.

18. Flyvbjerg, B., & Bester, D. W. (2021). The cost-benefit fallacy: Why cost-benefit analysis is broken and how to fix it. Journal of Benefit-Cost Analysis, 12(3), 395–419.

- **19.** Flyvbjerg, B., Garbuio, M., & Lovallo, D. (2014). Better forecasting for large capital projects. McKinsey on Finance, 52, 7–13.
- **20.** Flyvbjerg, B., & Sunstein, C. R. (2016). The principle of the malevolent hiding hand; or, the planning fallacy writ large. Social Research, 83(4), 979–1004.
- **21.** Gino, F., & Pisano, G. (2008). Toward a theory of behavioral operations. Manufacturing & Service Operations Management, 10(4), 676–691.
- **22.** Gurnani, H., & Erkoc, M. (2008). Supply contracts in manufacturer-retailer interactions, with manufacturer-quality and retailer effort-induced demand. Naval Research Logistics, 55(3), 200–217.
- **23.** Gurnani, H., Erkoc, M., & Luo, Y. (2007). Impact of product pricing and timing of investment decisions on supply chain co-opetition. European Journal of Operational
- **24.** Research, 180(1), 228–248.
- **25.** Habiger, P., & Kopel, M. (2020). Strategic delegation in successive oligopolies with differentiated firms. Economics Letters, 194, Article 109357.
- **26.** Hao, Z., Li, J., & Cai, J. (2023). Allocation of inventory responsibilities in overconfident supply chains. European Journal of Operational Research, 305(1), 207–221.
- **27.** Iyer, G., & Villas-Boas, J. M. (2003). A bargaining theory of distribution channels. Journal of Marketing Research, 40(1), 80–100.
- **28.** Jiang, B., & Liu, C. (2019). Managerial optimism in a competitive market. Production and Operations Management, 28(4), 833–846.
- 29. Jin, M., Zhang, X., Xiong, Y., & Zhou, Y. (2021). Implications of green optimism upon
- **30.** sustainable supply chain management. European Journal of Operational Research, 295(1), 131–139.
- **31.** Kahneman, D. (2011). Thinking, Fast and Slow. Macmillan.
- **32.** Katsikopoulos, K. V., & Gigerenzer, G. (2013). Behavioral operations management: A blind spot and a research program. Journal of Supply Chain Management, 49(1), 3–7.
- **33.** Kopel, M., Pan, C., & Yoshida, S. (2022). Managing investments under bargaining in a coopetitive supply chain. Available at SSRN 4007888.

34. Li, M. (2019). Overconfident distribution channels. Production and Operations Management, 28(6), 1347–1365.

- **35.** Li, M., Petruzzi, N. C., & Zhang, J. (2017). Overconfident competing newsvendors. Management Science, 63(8), 2637–2646.
- **36.** Liu, B., Cai, G., & Tsay, A. A. (2014). Advertising in asymmetric competing supply chains. Production and Operations Management, 23(11), 1845–1858.
- **37.** Lorko, M., Servátka, M., & Zhang, L. (2021). Improving the accuracy of project schedules. Production and Operations Management, 30(6), 1633–1646. European Journal of Operational Research 314 (2024) 540–551 551
- **38.** M. Kopel and V. Ramani Lovallo, D., & Kahneman, D. (2003). Delusions of success. Harvard Business Review, 81(7), 56–63.
- **39.** Nakamura, Y. (2014). Biased managers as strategic commitment: The relative profit approach. Research in Economics, 68(3), 230–238.
- **40.** Porter, M. E., & Kramer, M. R. (2011). How to reinvent capitalism—and unleash a wave of innovation and growth. Harvard Business Review, 89(1–2), 62–77.
- **41.** Rotemberg, J. J. (1994). Human relations in the workplace. Journal of Political Economy, 102(4), 684–717.
- **42.** Schroeder, E., Tremblay, C. H., & Tremblay, V. J. (2022). CEO confidence bias and strategic choice: a general framework. Journal of Applied Economics, 25(1), 731–740.
- **43.** Wang, M., Guo, X., & Wang, S. (2022). Financial hedging in two-stage sustainable commodity supply chains. European Journal of Operational Research, 303(2), 803–818.
- 44. Xu, L., Shi, X., Du, P., Govindan, K., & Zhang, Z. (2019). Optimization on pricing
- **45.** and overconfidence problem in a duopolistic supply chain. Computers & Operations Research, 101, 162–172.

IT'S ALL ABOUT (THE) 2014-2024: A STORY OF TRANSFORMATION

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ABSTRACT:

Since the time the nation got Freedom in 1947 India had taken after the Communist demonstration of improvement giving power to the Open Division over the Private Division. In any case since 2014 the modern government has set out on different changes that have moved the Indian economy in the tall development direction coming full circle in making India claimant of a major world control status. The time 2014 marked a significant turning point in the world of technology and invention. It was the morning of a decade of changeover, driven by exponential growth in technological advancements, changing consumer requirements, and evolving business geographies. The time marked the rise of several revolutionary developments like the Internet of Effects (IoT), pall computing, mobile technology, and artificial intelligence, all of which have reshaped the way we live, work, and interact. This paper will investigate this decade's major transformative events, their impact, and their implicit in shaping the future. The decade scaling from 2014 to 2024 was characterized by unknown changes driven by technological invention, geopolitical pressures, socioeconomic shifts, and environmental challenges.

Key Words: GDP, Digitalization, Economic Growth, Infrastructure

INTRODUCTION:

Since the beginning of 2014, India has seen colossal development and advancement, changing itself into one of the speediest-creating nations in the world. With its booming economy, changing political scene, and expanding impact on the worldwide organise, India has without a distrustfulness gotten to a drive to be figured with. This change has not as it were brought about obvious changes within the country's foundation and economy but has also contributed to making strides in the quality of life for its citizens. The post-2014 period in India has seen an energetic and provocative trip, with numerous critical advancements and changes. From financial changes and frame

marches to social exertion and outside arrangement India has endured a critical transformation. Between 2009- 10 and 2013- 14, the Indian economy developed by 6.7 %, whereas between 2014- 15 and 2018- 19, it developed at 7.5%. This paper aims to claw into a multifaceted conversion that unfolded during this period examining its impact on individualities communities and nations worldwide.

PAPER TYPE:

• Research article

OBJECTIVES OF THE STUDY:

- To study the growth rate of the GDP of India before 2014 and after 2014
- To study the comparison of infrastructure and development in India before 2014 and after 2014
- To study the challenges faced by India before 2014 and how India overcame these after 2014.

STATEMENT OF PROBLEM:

 India's economy faced problems before 2014 and how it re-mapped the situation after 2014.

RELEVANCE OF STUDY:

• To study India's changing and evolving patterns of economic conditions, and to learn how it overcame by becoming the fifth largest economy in the world.

OBJECTIVES OF THE STUDY:

- To study the growth rate of the GDP of India before 2014 and after 2014
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- To study the challenges faced by India before 2014 and how India overcame these after 2014.

HYPOTHESIS:

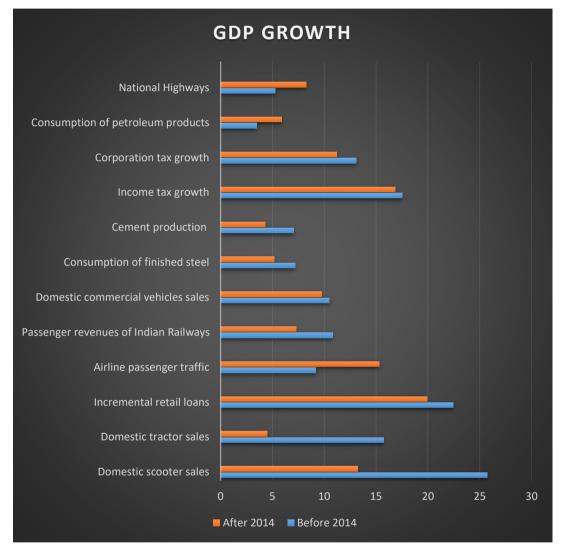
H0 - If the Transformation of India after 2014 is Better than now as compared to before 2014, it does not affect the Condition of India after 2014 as compared to the Condition of India before 2014.

H1- If the Transformation of India after 2014 is Better than now as compared to before 2014, it harms the Condition of India after 2014 as compared to the Condition of India before 2014.

RESEARCH METHODOLOGY:

The researcher has used the secondary data for the GDP growth figures of India before 2014 and after 2014. Researchers compared the growth rate before and after reforms. The researchers have tried to compare the situation of India before 2014 and after 2014.

GDP GROWTH



<u>Source:</u> https://www.livemint.com/politics/policy/manmohan-singh-vs-narendra-modithe-real-india-gdp-growth-story-1555034270688.html

National Highways:

Usually, an area where the modern government has done significantly better than the Post government. As of 31 March 2009, the total length of national highways stood at 70,548 kilometres (km). By 31 March 2014, this had increased to 91,287km, at the rate of 5.29% growth per year. By March 2019, the length of national highways is expected

to touch 135,676km, with 10,000km of road expected to be constructed during 2018-19. This means an increase of 8.25% per year. Between April and December, 6,715km had already been built.

Consumption of petroleum products:

The consumption of fuel in an economy that is doing well tends to grow at a faster rate. The consumption of fuel products during the modern government is expected to grow at 5.91% per year against 3.47% during the old government. This can economic indicator that has fared better over the years than the old government. A simple explanation for this lies in the that oil prices were much higher between 2011 and 2014 than they have been since then.

Corporation tax growth:

Companies pay a higher tax when they sell more stuff, and consequently make a higher profit. They sell more when people consume more. People consume more when they are doing well on the financial front. And that is possible when the overall economy is doing well. During the Modern government years, corporation tax collections are expected to grow by 11.20% per year against 13.09% within the years.

Income tax growth:

This is a good indicator of whether the income of individuals working in the formal sector of the economy is growing or not. The new administration has over the years talked a lot about the income tax collections improving significantly. The income tax collections within the years are expected to grow at 16.85% per year. In comparison, the growth in tax revenue in the old government was 17.53% per year. The government has also talked about the fact that more people are filing income tax returns now than before.

Cement production:

Cement generation amid the Modern government's long time is anticipated to develop at 4.32% per year against 7.05% per year during the old government time. Cement utilization has developed at a moderate pace amid the Modern government for a long time despite a gigantic street-building programme.

Utilization of wrapped-up steel:

Information from India Brand Value Establishment, a belief built up by the service of commerce and industry, recommends utilisation of wrapped-up steel is expected to extend per year during the Modern government era, in comparison to 7.18% during the Old government.

Domestic commercial vehicles deal:

Amid Modern government for a long time, commercial vehicles deal developed at 9.74% per year. Within the Old government for a long time, they had developed at 10.50% per year. In truth, the development of commercial vehicle deals amid Modern government a long time has been vigorous, although it might have been slower than that of the old government for a long time. This can be on account of the street building program conducted by the Modern government (as we might see later.

Traveller incomes of Indian Railroads:

One point which individuals disregard to specify is the reality that the development in discussing travel has come at the fetch of individuals updating from travelling by Indian Railroads. This has driven a slowdown in the development of passenger income of Indian Railroads. Within the Old government for a long time, this was at 10.81% per year. Within Modern government for a long time, it is anticipated to be at 7.32% per year.

Airline traveller activity:

Usually one point that is never-ending brought up by everyone who believes that the Modern government has done well on the financial front. Within the Old government long time, the number of aircraft travellers increased by 9.20% per year. It is anticipated to develop at 15.28% per year during the Modern government years.

Incremental retail advances development:

Typically, a marker of how a sensibly huge segment of the populace is feeling about their financial future. Individuals often take a credit when they are sure sufficient approximately reimburse it. This may not be genuine approximately credits given to the industry but is genuine almost retail advances (i.e. domestic advances, vehicle credits, etc.), given that the awful credit rate of retail advances stands at a fair 2%. Awful credits are credits that haven't been reimbursed for 90 days or more. Retail credits given out by banks amid the Modern government period are anticipated to develop at 19.92% per year in comparison to 22.47% per year during the old government era.

Domestic tractor deals:

This is often a great pointer of how wealthy ranchers are feeling on the financial front. Amid Modern government for a long time, the tractor deals are anticipated to develop at 4.49% annually. In comparison, tractor deals developed by 15.73% per year amid the old government for a long time. This appears the nearness of horticulture trouble harming ranchers amid the Modern government for a long time. In truth, household

tractor deals in 2013-14 had stood at 634,000. The deals fell over another two long times, and in 2015-16 stood at 494,000. Since that point, they have recuperated to 724,000 from April 2018 to February 2019.

Household two-wheeler deals:

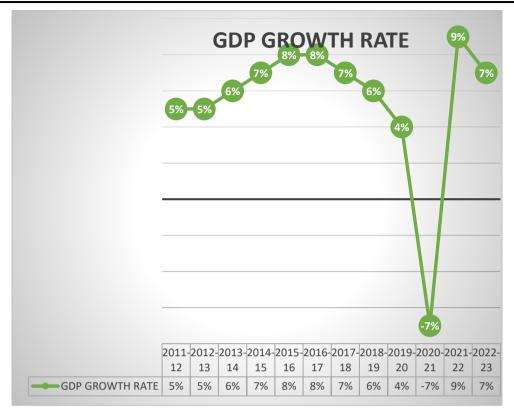
Bike deals amid the old government's time developed by 12.44% per year. In the Modern government's time, development was at 5.35% per year. Bike deals amid Singh's time developed by 25.7% per year. In the Modern government's time, the development was at 13.21% per year. Bikes are offered more in urban India than in provincial India. Cruisers are offered in both urban as well as country India.

Household car deals:

Car deals developed at 4.42% per year during the Modern government a long time in comparison to 7.92% during the old government a long time. The major bounce amid the old government's long time came in 2009-10 and 2010-11, when car deals expanded by 25.22% and 29.08%, respectively.

GDP GROWTH RATE:

In 10 years, India has shifted from the 10th largest frugality in the world to the 5th largest frugality. In 10 times, India is now discerned as a country with immense eventuality which is backed by emotional interpretation. India's GDP Growth rate in the last 10 times has been at a moderate Growth rate of 6-7 per cent. From 2006 to 2023, India equalled 6.15 per cent, with a high of 8.7 per cent in 2022 and a low of 6.6 per cent in 2021. India exceeded the United Kingdom to become the world's fifthlargest economy. The only nations with husbandry larger than India's are the United States, China, Japan, and Germany. In an uncertain world, real GDP excrescency of 6-6.5 is the new usual, and India is on track to become the third-largest economy by 2029. The table below shows India's GDP excrescency rate over the last 14 times as per the Economic Survey. The time from 2014 to 2023, checked by change, vital collusions, financial resurgence, and social strengthening, diagrams India's rise as a sought-after worldwide player. The travel to "New India" remains a progressing preparation filled with openings and challenges. The Unused India stands as a confirmation of the nation's strength, desire, and strategic foresight. Because it proceeds to develop and advance, the world observes with intrigue, recognizing India's potential to shape worldwide elements in a long time to come.



Source: https://indianexpress.com/article/political-pulse/narendra-modi-government-nine-years-hits-misses-8634405/

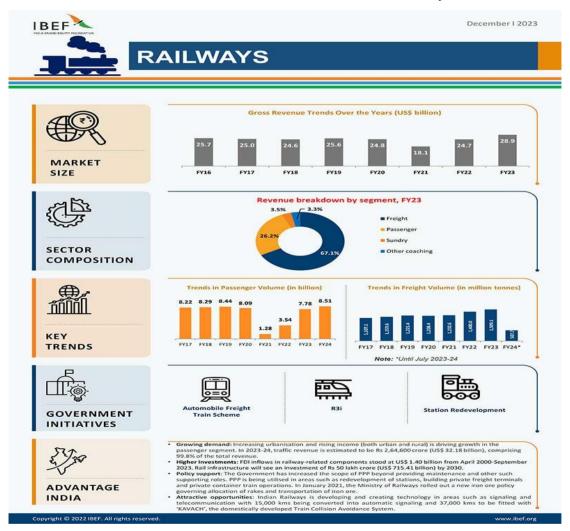
• The GDP has moreover developed at a great put within the modern government anticipating for few losses activated by changes such as demonetization and GST as well as the Covid pandemic. The pace has picked up once more within the final few quarters with India presently anticipated to be among the quickest developing major economy in the world.

RAILWAYS & HIGHWAYS:

The Indian Railways, the world's third largest railway network, has expanded its rail lines over 66,000 km since its establishment in 1853. The company has made significant strides in rail security, investing over Rs 1 lakh crore on Rastriya Rail San Raksha Kosh (RRSK) works in the last five years. However, incidents like the Odisha Prepare Mishap have questioned the validity of these efforts.

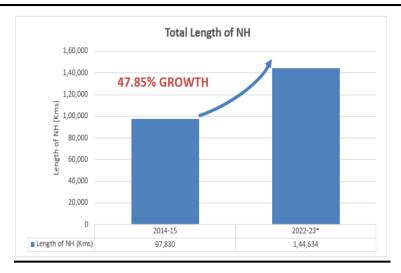
The Indian Railways is also working to modernize the network, including the introduction of engine-less trains like Vande Bharat Express and modernizing railroad stations with aeroplane terminal-like amenities. Over the past nine years, the railways have energized 37,011 Course Kilometres (RKM) of tracks, making it the top-ranked railway system globally.

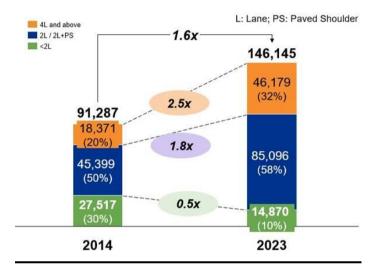
The total length of public roadways in India has increased by 60 km to 46,179 km since the Narendra Modi government took office in December 2023. The total length of fourlane and above public roadways has increased by 2.5 times to 46,179 km, while the total length of high-speed corridors has increased from 353 km to 3,913 km. The road ministry has constructed 6,217 km of public roadways up to December 2023-24. The expenditure on the ministry's roadway construction is expected to increase by 9.4 times to ₹3.17 lakh crore in 2023 from 2014. Under the Vehicle Scrapping Policy, 44 registered vehicle scrapping installations are operational in India, with 49,770 vehicles scrapped thus far. The state-owned National Highway Authority (NHAI) has collected ₹ 18,450 crore as risk until December in the current fiscal year.



<u>Source:</u> <u>https://www.ibef.org/uploads/industry/Infrographics/large/railways-infographic-december-2023.pdf</u>

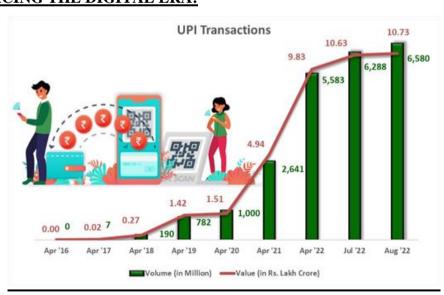
 National Highway (NH) network increased by ~60% from 91,287 km in 2014 to 1,46,145 km in year 2023





Source: https://pib.gov.in/PressReleasePage.aspx?PRID=1888480

EMBRACING THE DIGITAL ERA:



Source:

https://pib.gov.in/FeaturesDeatils.aspx?NoteId=151163&ModuleId%20=%202

India has witnessed a remarkable metamorphosis in its digital geography. Government services have gradationally been integrated into digital platforms, allowing for quick and effective delivery at the grassroots position. moment, citizens can pierce these services with a simple click, entering the backing they need within seconds. As part of the Government of India's vision to digitize the fiscal sector and frugality, there has been harmonious growth in digital payment deals. also, significant sweats have been made to prioritize fiscal addition as a pivotal public thing, ensuring that every existent has access to fiscal services. Digital India has set a significant thing of attaining a status characterized by "Presence-less, Paperless, Cashless, backed with concurrence" deals. The Government of India has placed utmost significance on promoting digital payments, aiming to include every member of the country's population within the formal frame of digital payment services. The ultimate vision is to ensure that all Indian citizens can pierce flawless digital payment installations accessibly, affordably, snappily, and securely.

Challenges Faced by India Before 2014:

- 1. Cash Dependent Society
- 2. Deficiency of Trust in digital payments
- 3. Financial Inclusion
- 4. Inadequate Infrastructure Acceptance and High-Speed Network
- 5. Lack of participation Start-ups, Fin-techs, Big-techs
- **6.** Lack of Incentives for Digital Payments
- 7. Simplified and affordable Payment Products / Platforms

India after 2014:

- **1.** Banking from anywhere, expanding the base of financial inclusion.
- 2. Subsidy to end beneficiary's account.
- 3. Use of next-gen technologies
- 4. Scaling up the merchant acceptance Infrastructure
- **5.** Incentive schemes for customers and merchants
- **6.** UPI referral and cashback schemes

Basis of distinction	India Before 2014	India After 2014
Consumer inflation	9.46%	3.81%
Industrial production	-0.10%	5.2%
Home loan interest	10.25%	8.60%
GDP growth	6.60%	7.10%
Foreign reserves	\$303.7 billion	\$372.7 billion
Fiscal deficit	4.6%	3.2%(expected)
Foreign investment	\$24.2 billion	\$56.3 billion

CONCLUSION:

With a modest GDP growth rate of 6-7 percent, India has moved from being the world's tenth most frugal nation to the fifth most in the last ten years. India equalled 6.15 percent between 2006 and 2023, reaching highs of 8.7 percent in 2022 and 6.6% percent in 2021. India's economy has surpassed that of the UK to become the fifth largest in the world. India's GDP excrescency rate of 6-6.5 indicates that the country is expected to rank third in the world economy by 2029. The Indian Railways, the world's third largest railway network, has expanded its rail lines over 66,000 km since 1853 and invested over Rs 1 lakh crore on rail security. The company is modernizing its network with engine-less trains and aeroplane terminal-like amenities. India's public roadways have increased by 60 km to 46,179 km since the Narendra Modi government took office in December 2023. The road ministry has constructed 6,217 km of public roadways, with expenditure expected to increase 9.4 times to ₹3.17 lakh crore in 2023. India has changed the way the world views the internet by incorporating public services into digital channels for prompt delivery to the general public. The goal of the government is to guarantee that every citizen has access to fiscal services and to digitize the fiscal sector. By achieving "Presence-less, Paperless, Cashless, backed with concurrence" agreements, Digital India hopes to provide all citizens with digital payment services that are easily accessible, inexpensive, rapid, and safe

REFERENCES:

http://timesofindia.indiatimes.com/articleshow/100619638.cms?from=mdr&utm_sourc e=contentofinterest&utm_medium=text&utm_campaign=cppst

"https://timesofindia.indiatimes.com/india/from-economy-to-politics-how-india-has-changed-during-9-years-of-modi-govt/articleshow/100619638.cms"

[10:00 pm, 04/02/2024] .: https://thewire.in/economy/modi-claims-india-saw-a-lost-decade-between-2004-and-14-is-that-true

[10:01 pm, 04/02/2024] .: https://m.timesofindia.com/india/from-economy-to-politics-how-india-has-changed-during-9-years-of-modi-govt/articleshow/100619638.cms
[10:08 pm, 04/02/2024] .: https://www.livemint.com/politics/policy/manmohan-singh-vs-narendra-modi-the-real-india-gdp-growth-story-1555034270688.html
https://pib.gov.in/FeaturesDeatils.aspx?NoteId=151163&ModuleId%20=%202
https://www.livemint.com/politics/policy/manmohan-singh-vs-narendra-modi-the-real-india-gdp-growth-story-1555034270688.html

https://www.cnbctv18.com/travel/length-of-national-highways-in-india-increased-60-in-last-10-years-road-secretary-18726331.html

A STUDY ON WORK SAFETY MEASURES TAKEN FOR EMPLOYEES IN RADIOLOGY DEPARTMENT IN HOSPITALS

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Abstract

Both at current and international scenario the safety measures taken for the employees in Radiology department in hospitals involves the provisions and quarterly testing of radiation, employees are provided with lead aprons, PPE kit, TLD (Thermoluminescent Dosimeter badge)

And at local level the employees working in Radiology department are provided with lead aprons, PPE kit and TLD badges for their safety which also involves quarterly testing of radiations.

This research mainly focuses on the Safety measures taken for employees working at Radiology Departments at Hospitals.

This report highlights the critical need to prioritize work safety within the Radiology Department. By addressing the identified safety issues and implementing the proposed recommendations, hospitals can create a safer working environment, reduce the risk of accidents or injuries, and improve the quality of healthcare services provided in the Radiology Department. The pursuit of continuous safety enhancement is not just a responsibility but a commitment to the well-being of healthcare professionals and the delivery of superior patient care

INTRODUCTION

The Radiology Department plays a vital role in modern healthcare by providing essential medical imaging and diagnostic services. Radiologists, radiology technologists, nurses, and other specialists in this department work together to perform a variety of procedures, including X-rays, CT scans, MRIs, and ultrasounds. While their work is necessary to diagnose and treat patients, it also exposes them to potential risks and dangers.

The safety and health of radiology staff is of utmost importance. They are exposed daily to ionizing radiation, toxic substances, heavy equipment, and ergonomic challenges. Therefore, it is crucial to implement effective work safety measures to protect these employees from potential injuries, health hazards, and long-term health effects.

The results of this study will provide valuable insight into the workplace safety challenges faced by staff in radiology departments. Additionally, it will provide evidence-based recommendations that can be implemented to improve the overall safety culture within the department. The ultimate goal is to create a safer work environment that prioritizes employee health, reduces the risk of accidents or injuries, and ensures the delivery of high-quality healthcare services to patients.

OBJECTIVES

- 1. To identify the state of safety employees working in Radiology Department at Hospital
- **2.** To identify the gaps in safety measures
- a. taken in providing with the safety measures taken
- b. Provided with the safety measures tools
- **3.** To suggest the measures to reduce the risk of radiation exposure for staff members in the radiology department.
- **4.** To suggest the implementation plan for improving the level safety measures for the employees working in the Radiology Department.

RESEARCH METHODOLOGY

RESEARCH DESIGN: These studies turned into an observational descriptive examine done at Manipal Hospitals, Baner. The facts series for these studies turned into accomplished via each number one facts and secondary facts. Keeping the goals in mind, the personnel of the clinic have been interviewed via questionnaires. After accumulating the facts, it turned into analysed very well and conclusions have been drawn. Data evaluation gear used have been percentages, graphs and pie charts.

(i) Sources of Data

a) Primary Sources:

Primary reassets are facts or statistics amassed immediately from the source. They offer firsthand, unmediated statistics and are generally used for unique studies or facts series purposes.

b) Secondary Sources:

Secondary reassets contain facts or statistics this is derived from number one reassets. For this mission, number one facts turned into amassed through filling up a questionnaire from personnel withinside the clinic. Also, secondary facts turned into amassed via the web sites and articles.

(ii) Data Collection Instruments

Electronic media like mobile, PC, laptop, etc. have been used as a device for facts series on these studies because the facts turned into amassed from the clinic personnel via Questionnaire the usage of Google Forms.

(iii)Population

The personnel and technicians of the radiology branch have been taken for the examine and the questionnaire

(iv) Sampling Method and Sample Size

The sampling approach used for this mission is Simple Random Sampling. In random sampling, every member of the populace has an identical threat of being selected. The examine pattern length for this mission is 30 30 personnel and technicians used to top off the questionnaire.

LITERATURE REVIEW

1. Study on Work Safety for Employees in the Radiology Department

Praful R. Dabhekar * Department of MHA, Jawaharlal Nehru Medical College, Datta Meghe Institute of Medical Sciences, Wardha, India.

Rupali Naik - Jawaharlal Nehru Medical College, Datta Meghe Institute of Medical Sciences, Acharya Vinoba Bhave Rural Hospital, Sawangi (Meghe), Wardha, India

Working personnel withinside the radiology branch is uncovered to dangerous elements consisting of radiation publicity, injuries; needle pricks whilst acting an investigation, ends in publicity to frame fluids, muscle strain because of sporting heavy lead aprons, and whilst transferring transportable system for examinations. Observational protection audits and ordinary inspections withinside the radiology branch for personnel protection are the primary and critical elements of this study.

2. Assessment of compliance to radiation safety and protection at the radiology department

M.M. Abuzaid, W. Elshami, M. Shawki, D. Salama

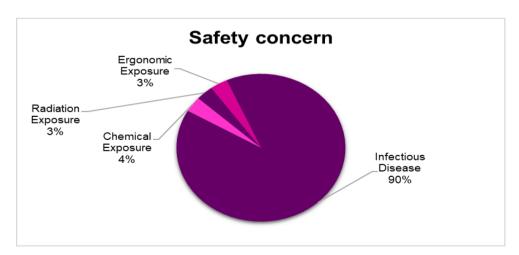
Department of Medical Diagnostic Imaging, College of Health Sciences, University of Sharjah Faculty of Medicine, Alexandria University, Alexandria, Egypt National Centre of Radiation Research and Technology, Atomic Energy Authority, Egypt

This has a look at assesses radiographers` adherence to radiation safety practices in radiology departments. The percent of radiographers` adherence to practices associated with environmental safety, affected person safety and self-safety had been 75.1%, 60.4% and 45.7%, respectively. The normal adherence to radiation safety practices rating become 75.2percent18.5, in which 57.4% of the radiographers exhibited exact adherence, 26.9% exhibited mild adherence and 15.7% had bad adherence.

DATA PRESENTATION AND ANALYSIS

Q. 1. Which of the following is not a common safety concern for employees in Radiology departments?

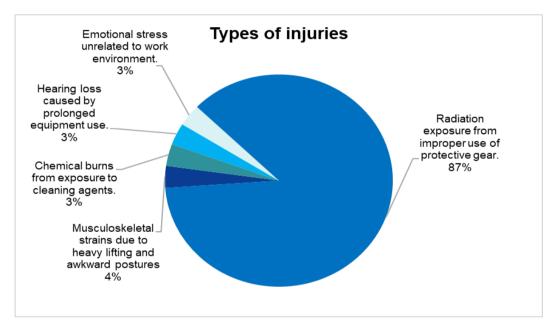
Not a common Safety	Staff	
concern for employees	response	
Infectious Disease	27	
Chemical Exposure	1	
Radiation Exposure	1	
Ergonomic Exposure	1	



- The graph shows that out of 30 employees, 90% of them think that infectious disease is not a common safety concern.
- 3% to 4% of the employees think ergonomic exposure, radiation exposure and chemical exposure

Q. 2. What are the primary types of injuries often experienced by radiology department employees, and how can they be mitigated?

Types Of Injuries	
	response
Musculoskeletal strains due to heavy lifting and awkward	1
postures	
Chemical burns from exposure to cleaning agents.	
Hearing loss is caused by prolonged equipment use.	
Emotional stress is unrelated to the work environment.	
Radiation exposure from improper use of protective gear.	26



- The above graph shows that 87% of the injuries are caused by radiation exposure from improper use of protective gear.
- For 3% to 4% hearing loss, emotional stress, chemical burns and musculoskeletal strains
- Q. 3. Which of the following is not required safety measures for radiology departments?

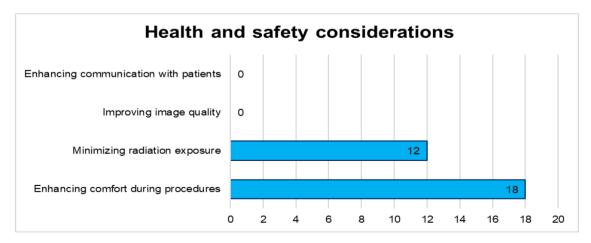
Safety Measures	Staff response
Personal protective equipment (PPE)	0
Radiation monitoring badges	0
Fire extinguishers	23
Ergonomics workstations	7



- Out of 30 staff, 23 fire extinguishers are not safety measures in the radiology department
- For 7 staff ergonomic workstations is not a safety measure
- The graph shows that PPE and radiation monitoring badges are the safety measures in the radiology department

Q. 4. What are the primary health and safety considerations for personnel employed in radiology procedures?

Health and safety considerations	Staff response
Enhancing comfort during procedures	18
Minimizing radiation exposure	12
Improving image quality	0
Enhancing communication with patients	0

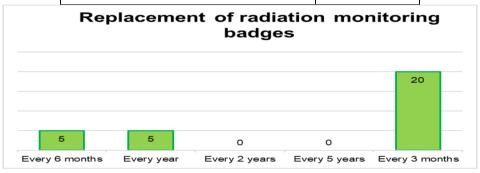


- Out of 30 staff responses, for 18 staff enhancing comfort during procedures are the primary health and safety considerations for personnel employed in radiology procedures.
- For 12 staff minimizing radiation exposure is the primary health and safety considerations

 Enhancing communication with patients and improving image quality is not a primary health and safety considerations

Q. 5. How often should radiation monitoring badges be replaced?

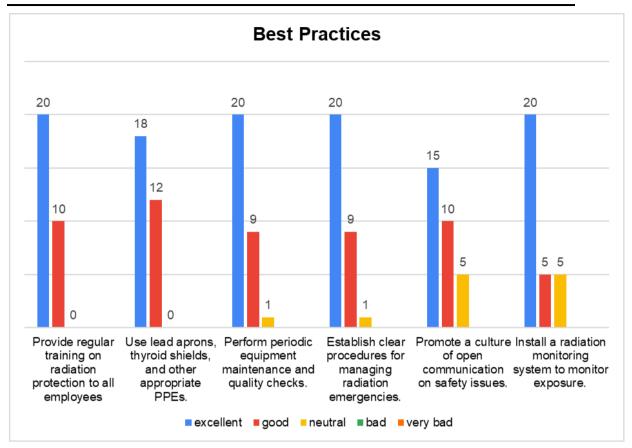
Replacing radiation monitoring	Staff
badges	response
Every 6 months	5
Every year	5
Every 2 years	0
Every 5 years	0
Every 3 months	20



The graphs show that 20 of the employees' radiation monitoring badges should be replaced every 3 months and for 5 of the employees for every 6 months and every year

Q. 6. Rate the following best practices for staff safety in radiology:

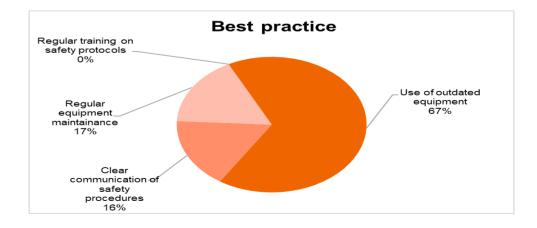
Best Practices for staff safety	Excellent	Good	Neutral	Bad	Very
					Bad
Provide regular training on radiation	20	10	0	0	0
protection to all employees					
Use lead aprons, thyroid shields, and	18	12	0	0	0
other appropriate PPEs.					
Perform periodic equipment	20	9	1	0	0
maintenance and quality checks.					
Establish clear procedures for	20	9	1	0	0
managing radiation emergencies.					
Promote a culture of open	15	10	5	0	0
communication on safety issues.					
Install a radiation monitoring system	20	5	5	0	0
to monitor exposure.					



The graph shows that the given best practices are excellent practices for maximum of the employees.

Q. 7. Which of the following is not a best practice for ensuring employees' safety in radiology departments?

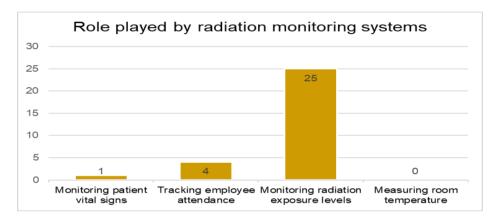
Not a best Practice for staff safety	Staff response		
Regular training on safety protocols	0		
Use of outdated equipment	20		
Clear communication of safety procedures	5		
Regular equipment maintenance	5		



 According to 67% of the staff use of outdated equipment is not a best practice for ensuring employees' safety

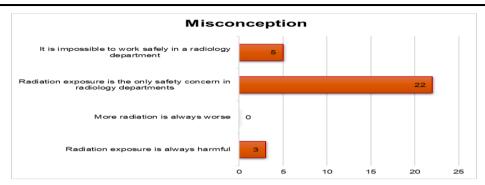
- According to 16% to 17% clear communication and regular equipment maintenance are not a best practice
- Q. 8. What role do radiation monitoring systems play in the radiology department?

Role of radiation monitoring systems	Staff response		
Monitoring patient vital signs	1		
Tracking employee attendance	4		
Monitoring radiation exposure levels	25		
Measuring room temperature	0		



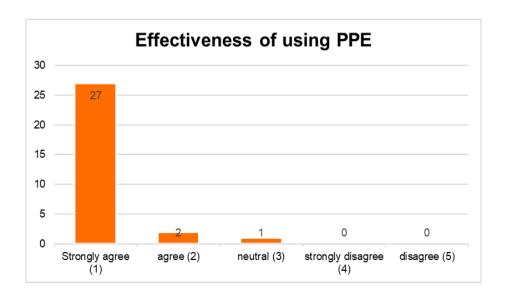
- From the graph, out of 30 employee's responses 25 employees monitoring radiation exposure levels is the role of the radiation monitoring system
- For 4 employees tracking employee attendance is the role of the radiation monitoring system
- For 1 employee it's used for monitoring patient vital signs
- Q. 9. Which of the following is not a common misconception about radiology safety?

Not a common misconception	Staff
	response
Radiation exposure is always harmful	3
More radiation is always worse	0
Radiation exposure is the only safety	22
concern in radiology departments	
It is impossible to work safely in a	5
radiology department	



- Out of 30, 22 employees, radiation exposure is the only safety concern is not a common misconception
- For 5 employees, it is impossible to work safely is not a common misconception
- For 3 employees, radiation exposure is always harmful is not a common misconception
- From the above it shows that More radiation is always worse is the common misconception
- Q. 10. The overall effectiveness of using personal protective equipment (PPE), such as lead aprons and thyroid shields, in minimizing radiation exposure for radiology personnel.

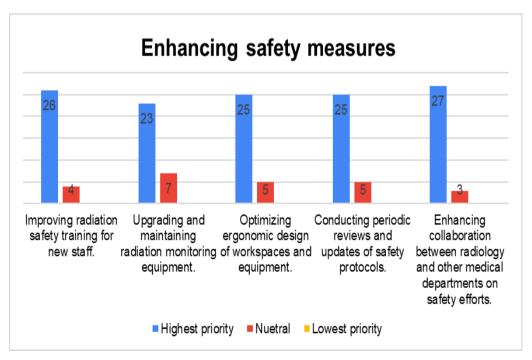
Effectiveness of using PPE	Staff response
Strongly agree	27
Agree	2
Neutral	1
Strongly disagree	0
Disagree	0



 Out of 30 employees 27 employees strongly agree that using PPE such as lead apron and thyroid shield in minimizing radiation exposure

- employees have agreed and 1 has given a neutral response
- Q. 11. Kindly prioritize the following areas for enhancing safety measures in the Radiology Department

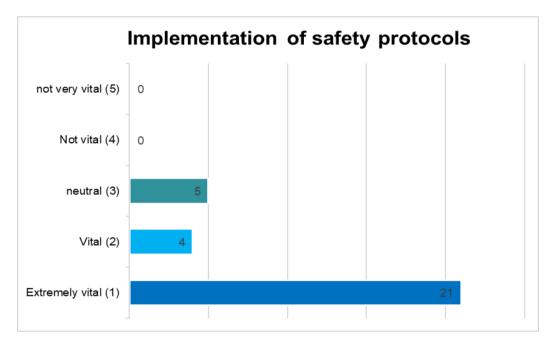
Enhancing safety measures	Highest	Neutral	Lowest
	Priority		Priority
Improving radiation safety training for new staff.	26	4	0
Upgrading and maintaining radiation monitoring equipment.	23	7	0
Optimizing the ergonomic design of workspaces and equipment.	25	5	0
Conducting periodic reviews and updates of safety protocols.	25	5	0
Enhancing collaboration between radiology and other medical departments on safety efforts.	27	3	0



According to the graph, the given areas for enhancing safety measures are given the highest priority by the employees of the radiology department

Q. 12. How vital do you find the implementation of safety protocols in radiology for preventing potential risks?

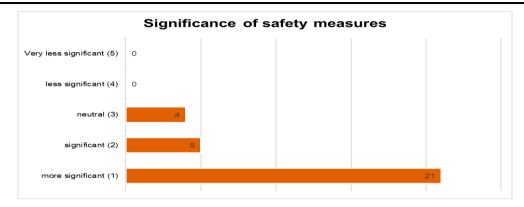
Implementation of safety protocols	Staff response
Extremely vital	21
Vital	4
Neutral	5
Not Vital	0
Not very vital	0



According to the graph, the implementation of safety protocols in radiology for preventing potential risks is extremely vital for the 21 staff

Q. 13. How significant are safety measures in radiology departments compared to other medical specialities?

Safety measures in the radiology	Staff response
department compared to other	
medical specialties	
More significant	21
Significant	4
Neutral	5
Less significant	0
Very less significant	0



- According to the graph out of 30 employees for 21 staffs' safety measures in the radiology department compared to other medical specialities are more significant
- For 5 staff safety measures are significant
- Staff have given neutral responses for the safety measures in the radiology department

OBSERVATION AND CONCLUSION

1. Observations and major findings

Objective 1: To Reduce the Risk of Radiation Exposure for Staff Members in the Radiology Department.

Findings: According to the survey, it can be seen that maximum of the staff are all aware of the risk of radiation exposure and what are the common safety measures to be taken while doing the procedures.

Objective 2: To improve programs for safety education and training

Findings: According to the survey conducted we can see that radiation safety training is given and how to maintain the radiation monitoring equipment is being taught.

Objective 3: Encourage reporting and open discussion about safety issues

Findings: According to the study of the survey conducted –

- ➤ 16% of the staff disagree that clear communication of safety procedures is not a best practice
- > 50% of the staff are well aware that open communication on safety issues is the best practice
- ➤ 34% of the staff have given neutral responses.

2. Conclusion

In conclusion, our investigation into workplace safety practices in radiology has highlighted important issues that require attention. Concerns about radiation exposure, inadequacies in training programs and gaps in communication practices were identified.

The importance of these results lies in their potential impact on the well-being of healthcare professionals and, therefore, on the quality of patient care. Recommendations to address these challenges require a multifaceted approach. Improving the quality and suitability of personal protective equipment (PPE), implementing more comprehensive and frequent safety training programs, and promoting a culture that encourages incident reporting and communication openness is essential.

SUGGESTIONS

1. Regular safety audits and inspections:

Perform regular safety inspections and audits to evaluate the effectiveness of safety measures in place.

2. Advanced Personal Protective Equipment (PPE):

Invest in high-quality, ergonomic and properly fitted PPE for all the department staff.

3. Continuous training on radiation safety:

Implement continuous and comprehensive training programs on safety procedures, equipment usage and radiation protection measures.

4. Communication and Collaboration:

Improve communication and collaboration among radiology staff and with other medical professionals.

5. Regular documentation and review:

Document all security measures, incidents and corrective actions taken. Regularly review and update security protocols.

6. Culture of incident reporting:

Foster a culture that encourages incident reporting without fear of retaliation.

7. Ergonomic design of the workplace:

Perform an ergonomic assessment of the workplace and equipment to minimize the risk of musculoskeletal injuries.

SCOPE FOR FURTHER RESEARCH

1. Advanced Radiation Protection Technologies:

Explore and evaluate new technologies in radiation protection, including innovative shielding materials, advanced monitoring equipment, and artificial intelligence applications for real-time dose monitoring.

2. Impact of extended work hours on safety:

Effects of longer working hours and shift patterns on the safety of radiology department employees, taking into account factors such as fatigue, alertness, and potential for error.

3. Psychosocial Factors and Safety:

Investigates psychosocial factors that influence radiology safety, including stress levels, job satisfaction, and the impact of workload on employee health and safety practices.

4. Integrating Patient and Employee Safety:

Consider strategies for integrating patient safety measures into employee safety protocols and recognize the interaction of both aspects in radiology.

5. Comparative Safety Protocol Study:

Conduct a comparative study to analyse safety protocols in radiology departments at different medical facilities and identify best practices and areas for improvement.

BIBLIOGRAPHY

- 1. Naik, R., & Dabhekar, P. R. (2021). Study on Work Safety for Employees in Radiology Department. *Journal of Pharmaceutical Research International*, 353-358.
- **2.** Abuzaid, M. M., Elshami, W., Shawki, M., & Salama, D. (2019). Assessment of compliance to radiation safety and protection at the radiology department. *International Journal of Radiation Research*, 17(3), 439-446.
- **3.** Sharma, K., S. Zodpey, Q.S. Zahiruddin, and A. Gaidhane. "Accreditation of Public Health Education in India: Enhancing Quality, Competence and Trust." National Medical Journal of India 26, no. 6 (2013): 344–47.
- 4. Simkhada, P., A.N. Poudel, B. Simkhada, H. Sumnall, L. Jones, S. Bista, J. McVeigh, et al. "Need and Scope of Global Partnership on Public Health Research." Journal of Datta Meghe Institute of Medical Sciences University 11, no. 2 (2016): 202–4. 15.
- **5.** Zodpey, S., A. Sharma, Q.S. Zahiruddin, A. Gaidhane, and S. Shrikhande. "Allopathic Doctors in India: Estimates, Norms and Projections." Journal of Health Management 20, no. 2 (2018): 151–63.
- **6.** Healthcare Employee Management focus on Indian Healthcare Sector, Mohammed Owais Qureshi UNSW Sydney, Rumaiyya Sajjad King Abdulaziz University.

7. Gunalp M, Gulunay B, Polat O et al. Ionising radiation awareness among resident doctors, interns, and radiographers in a university hospital emergency department. Radiol Med 20:20)

- **8.** I. Erkan, A. Yarenoglu, E.H. Yukseloglu, H.C. Ulutin. The investigation of radiation safety awareness among healthcare workers in an education and research hospital, International Journal of Radiation Research, July 2019, Volume 17, No 3
- **9.** Lee CI, HaimsAH, MonicoEP, Brink JA, Forman HP (2004) Diagnostic CT scans: assessment of patient, physician, and radiologist awareness of radiation dose and possible risks. Radiology 231(2):393–39811.

Annexure

Survey on Radiology Department:

This survey is conducted for educational purposes. This survey is collected to gather information which could be used to help guide the research on work safety measures in the Radiology Department.

Q. 1. Name

Q. 2. Which of the following is not a common safety concern for employees in Radiology departments?

- a) Radiation exposure
- **b**) Radiation exposure
- c) Radiation exposure
- **d**) Radiation exposure

Q. 3. What are the primary health and safety considerations for personnel employed in radiology procedures?

- a) Enhancing comfort during procedures
- **b)** Minimizing radiation exposure
- c) Improving image quality
- **d**) Enhancing communication with patients

Q. 4. How often should radiation monitoring badges be replaced?

- a) Every year
- **b)** Every 2 years
- c) Every 5 years
- d) Every 6 months
- e) Every 3 months

Q. 5. Rate the following best practices for staff safety in radiology:

- a) Provide regular training on radiation protection to all employees
- b) Use lead aprons, thyroid shields, and other appropriate PPEs.
- c) Perform periodic equipment maintenance and quality checks.
- **d**) Establish clear procedures for managing radiation emergencies.
- e) Promote a culture of open communication on safety issues.
- f) Install a radiation monitoring system to monitor exposure.

Excellent Good Neutral Bad Very Bad

Q. 6. Which of the following is not a best practice for ensuring employees' safety in radiology departments?

- a) Regular training on safety protocols
- b) Use of outdated equipment
- c) Clear communication of safety procedures
- d) Regular equipment maintenance

Q. 7. What role do radiation monitoring systems play in the radiology department?

- a) Monitoring patient vital signs
- **b**) Tracking employee attendance
- c) Monitoring radiation exposure levels
- d) Measuring room temperature

Q. 8. Which of the following is not a common misconception about radiology safety?

- a) Radiation exposure is always harmful
- **b)** More radiation is always worse
- c) Radiation exposure is the only safety concern in radiology departments
- d) It is impossible to work safely in a radiology department

Q. 9. The overall effectiveness of using personal protective equipment (PPE), such as lead aprons and thyroid shields, in minimizing radiation exposure for radiology personnel.

Strongly agree 1 2 3 4 5 Disagree

Q. 10. Kindly prioritize the following areas for enhancing safety measures in the Radiology Department

- a) Improving radiation safety training for new staff.
- **b)** Upgrading and maintaining radiation monitoring equipment.

- c) Optimizing the ergonomic design of workspaces and equipment.
- d) Conducting periodic reviews and updates of safety protocols.
- e) Enhancing collaboration between radiology and other medical departments on safety efforts.

Highest priority Neutral Lowest priority

Q. 11. How vital do you find the implementation of safety protocols in radiology for preventing potential risks?

Extremely vital 1 2

4

5 Not very vital

Q. 12. How significant are safety measures in radiology departments compared to other medical specialities?

3

More significant 1

2

3

4

5 Less significant

Q. 13. What are the primary types of injuries often experienced by radiology department employees, and how can they be mitigated?

- a) Musculoskeletal strains due to heavy lifting and awkward postures
- **b**) Chemical burns from exposure to cleaning agents.
- c) Hearing loss is caused by prolonged equipment use.
- **d)** Emotional stress is unrelated to the work environment.
- e) Radiation exposure from improper use of protective gear.

EXPLORING MARKETING STRATEGIES FOR RAW MATERIAL SUPPLY IN EVENT MANAGEMENT: A CASE STUDY OF MAHARASHTRA TRADERS, MUMBAI"

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Abstract:

This paper conducts a comprehensive business analysis of a shops involved in trading of event organizing articles. This study includes sales strategies, profit margin, pricing strategies, inventory source, consumer demand, and cultural trends. It evaluates the shop positioning within the market considering its product range, pricing strategies and sales. Additionally, the paper analyzes operational aspects that includes supply efficiency customer service quality, after sales services and areas for improvement. This paper provides insights and recommendations to enhance the shop's competitiveness and sustain for long term success. A thorough business analysis provides a valuable insights into its market positions, operational efficiency, and growth prospects. The shop operates within a competitive landscape with other retailer offering similar products. The industry is influenced by various factors such as changing customer preferences, seasonal trends and economic conditions. Understanding this dynamics is crucial for the shop success. As it enables effective inventory management and sales strategies.

Index Terms- event management, Sales, Market research, Competitive Analysis, Inventory Source, Crawford Market.

INTRODUCTION:

In the world of event management, every detail matters. Whether is the corporates conference, a grand celebration or success event it is usually expected to have a creative and flawless execution.

This research paper focus on the businesses involved in trading of event organizing articles since the last 6 years. The products lines are mainly including balloons, ribbons,

caps, plates, air pump, Tissue Paper, Polystyrene Banner, artificial flowers cups party poppers etc. This business is located in Thane district, Mumbai. Many customers throughout the district and Mumbai visit the shop raw materials for their event organization. The wholesale purchase of raw material is mainly purchased from the Crawford market and sale at a profit margin of approx. 50%. The shop has a customer conversion rate of 95% tentative. The highest demand for these supplies is remarkable in the summer season due to the cultural aspects followed at that geographical location. It is essential to analyze the current management and execution of the business. This would help in finding the corrective measures and innovation techniques to grow and future expansion the business in the least cost possible.

As per the data collected, the Event-Organizing shops are total 505, in all over Mumbai like Party Balloons etc. There are almost 7 such shops in Thane district.

Objectives of the study:

- **1.** To understand and analyses marketing strategies of Bharat Traders, Mumbai in supplying raw material to the Event management,
- 2. To understand and identify the key challenges and opportunities in the raw material supply chain for event management in Mumbai
- **3.** To assess the marketing tact's competitiveness for marketing of raw material used by Bharat Trader
- **4.** To suggest improvement s in Marketing approaches for raw material supplies in terms of event management.

Business overview and key challenges and opportunities

As per the data collected, the Event-Organizing shops are total 505, in all over Mumbai like Mumbai Party Balloons, Party Poppers, Party Hunterz, Jil-Mil Party Shop, Kreative Party Supplies etc. There are almost 7 such shops in Thane district. The future scope of event management in Mumbai holds immense promise and potential and it includes immersive virtual and hybrid events, augmented realty, green events gamification. That all are contributing new trends and next era's in the business world.

The marketing approaches followed by these shops:

1. Marketing strategies:

No shop dealing with such products is registered on online portal for marketing. This reduces the reach of the seller to the market outside the district. Lack of marketing affects the publicity and popularity of the shop.

2. Local customers:

As the business is a local shop and has not done any marketing plan yet, the consumers are only from local areas. New customers are rarely built due to the local competition.

3. Local Competition:

As the business has local competition very close to each other the competition is very tough. The consumers may get diverted and Maharashtra traders usually loose some probable customers due to the close competition. This ultimately affects the business reputation and profits.

4. Management:

The Shop has total 14 Employees in working. Among them the department of Accounts, Management, Inventory Management and Sales team is separated in order to maintain efficiency in functioning. The Management of shop is great in case of Human resource, Stock and Sales.

5. Accounting Patters:

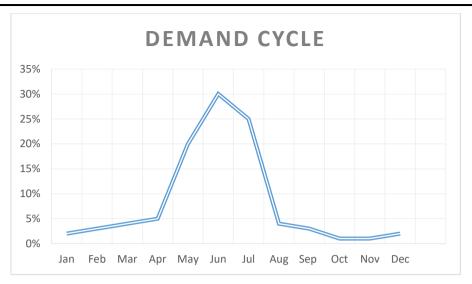
The shop maintains month to month crosschecking of the books of Maharashtra Traders. Every month the accountant gives an overview of the data maintained by him regarding the sale, Purchase and profit of the entity. But, the Account is managed manually. No special software or any other electronic medium is used to store such data.

6. Inventory Management:

The owner himself places the orders and the inventory is brought into the shop. The only location of bringing the goods is the Crawford market of Mumbai. The stock purchased is in lower prices and of a goods quality. Hence the goods purchased can be sold at a good price with decent profit margin.

7. Seasonal Demand:

The demand for the Party items is usually seasonal and high during summer. Following graph shows the seasonal behaviour od demand.



Finding of the studies:

Based on the above observations, the Inventory and management department's needs not to be worked on, as both of them are efficient for the cause of functioning of the business. The other departments needs certain changes and developments to be done. These changes are in favor with the current situation of business in order to increase the sales, profit and customers.

Following are the marketing tact's that can be made in order to increase the sale and Profit:

1. Marketing Strategies:

As a local business, the Maharashtra Traders must get into Marketing. As per findings, the only medium of marketing the firm has is Visiting Cards, given to the visitors for future contacts. This is the only form of marketing implemented. If the entity is exposed to new marketing options, the sale can be maximized to a greater extent. A lot of outdoor and social media strategies can be implemented as a developing measure to get higher profit and publicity in the market.

2. Accounting Patterns and analysis of records for future expanision:

The accounting done by Maharashtra traders is both, recording on daily basis and cross-checking on monthly basis. But as the books are maintained manually, it is time consuming, the entity shall opt for basic tally or other accounting software's to maintain the detailed data that can be maintained, compared and used for further references in the future. This would facilitate maintaining the data in an efficient, easy to access, protected and safe manner.

Making the above changes can facilitate the growth and development of the shop. At it is the only area to work. This may give a proper focus to the management to work efficiently on the above two areas.

In order to understand the current situation of Marketing, Let's compare the data of Mumbai Party Balloons, Party Poppers, Party Hunterz, Jil-Mil Party Shop, Kreative Party Supplies and their Marketing platforms used as a sample.

Name of the Shop	Instagram	Facebook	Website
Mumbai Party Balloons	Yes	Yes	Yes
Party Poppers	Yes	Yes	No
Party Hunterz	Yes	Yes	No
Jil-Mil Party Shop	Yes	No	No
Kreative Party	Yes	No	Yes
Maharashtra Traders	No	No	No

Table 4 Marketing platforms used by Shops

From the above table, it is understood that every other shop except Maharashtra Traders is using at least any one of the most commonly used social Media Platforms. Depending on the demand cycle, constant posts are somewhere the reason of growth of the five sample shops. Hence it is essential to use any one or multiple marketing platforms for publicity and profit maximization.

Recommendation:

Marketing and Accounts are the core of any business. It is essential to implement the correct strategies of marketing and Accounts in a well-planned manner in order to have higher benefits in least cost.

Marketing is the most essential practice to increase the publicity and goodwill of the market. There are many options for marketing in this type of business. For the concern of Maharashtra Traders, the marketing can be done in both outdoor and social media ways. Following are the ways of implementing a goods marketing approaches:

1. Social Media Marketing:

This is the most common method of marketing. Many sellers are already into marketing their products on social media. Maharashtra Trader can have their own accounts on social media. Posting photographs and videos of the products can generate traffic across the area. Social Media provides enquiry from across the

globe. There are no time barriers as they have 24/7 availability. Not every time, it is important to have a trade happening in social media. Getting the contact in touch in essential to have a future probable customer. Constant posts, follow-up and communication will have the consumer engagement. This engagement would probably convert them into loyal customers.

Through Social media platforms, if the facility of selling goods with transportation facility is provided, the order rate would be multiplied. Consumers today expect ease in shopping. If they are provided with door-step delivery from their local area and from distanced areas, they opt for such convenience. Hence it is very beneficial if the social media marketing is supported by door step delivery.

2. Outdoor Marketing:

This method of marketing is costly as compared to the social media marketing. But the effect of outdoor marketing is actually better. The entity may print and circulate the pamphlet describing the shop, goods, and offers. Pasting posters on different locations can help in targeting all the customers who pass by. Outdoor marketing also helps as it is observed by people of all the groups. This method is used from very beginning and is now considered as the eldest and effective method of marketing in order to win the trust of customers.

Circulating of posters, pamphlets, offer cards and samples can create a preferable option for the consumers. Again here, consistency of the marketing plan matters. If the outdoor marketing is to be implemented, a person shall be appointed to move out and target the market at distance in order to create customers and Gain publicity. Hence outdoor marketing is also a better option for the entity.

3. Collaboration with Event Managers:

The main consumer of the Maharashtra Traders is the end consumer. They purchase the material for their own domestic use and hence it is in less quantity. Instead, if the business tried collaboration with Event Managers, the quantity of the order will be higher and the sale would increase. Collaborating with such management agencies would even stay with the business forever if they are provided with accurate material.

This improves the sale and quantity of stock sold as they requirements of event manager is higher than the regular consumer. Sticking with some event managers would be beneficial to reduce the competition to a certain extent. Hence it is essential to collaborate with event managers.

4. Accounting:

Accounting is important as it shows the actual situation of business. Every business makes the decision of their business based on their financial situation. Hence for the time till Maharashtra traders is not in need of a complete profession software, they may use basic software like excel to maintain their data in an efficient and presentable manner. Excel allowed to store, analyze and compare the data that fulfills the current need of the business. Using accounting software saves time of the accountant to focus on other aspects of the shop and bring work efficiency. Hence it is important to put in some software for accounting.

CONCLUSION:

Every business depends on its marketing tactics. By observing the current situation of the business, working on the right marketing approach seems important. along with this, the source of inventory is just the Crawford market. the business may even try finding some local manufacturers of their products if possible to reduce the cost even more. The business is mostly depending on local consumers, if they opt for more marketing options, they may have the benefit of more consumers. even the consumers from distance may help in boosting publicity to the business. the business is having no direct issue, but due to lack of marketing practices, the business is not able to achieve what it is actually capable of. Adoption of marketing strategies would help the business to grow and expand. Accounting being the most important part of business must be maintained efficiently. A good marketing plan and accounting management would multiply the business performance.

REFERENCES:

BOOKS:

Marketing Management-3; Authors: Dr. Shaila Bootwala; Mrs. Uzma Shaikh Hashmi;

Marketing Management, Dr. K.Karunakaran, Himalaya publishing

https://www.niemindia.com/blog/the-next-era-of-event-management-5-future-trends/

https://brandmela.com

https://corporatefinanceinstitute.com/resources/management/marketing-strategy/

Discussion with:

Sandeep Singh, Owner of Maharashtra Traders

EXAMINING THE INFLUENCE OF PUBLIC FINANCE ON SUSTAINABLE BUSINESS PRACTICES: PERSPECTIVES FROM INDIA

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Abstract:

In an economy, Public Finance play very important role. Public finance includes operations (Fiscal Policy) of Government includes Government's revenue, Expenditure, and Public debt. Fiscal Policy can be inclined towards supporting businesses in achieving sustainability by not only public expenditure (direct investment, incentives, and subsidies, research and development) but also by public revenue (Taxes, interest received, fiscal services and general services) and Public debt. When it comes to sustainable business model, there is inevitable need of Government's support as most of the business investments are accumulated for earning better profit than the previous financial year. Corporate world is more or less dependent on the assistance and policies of the Government (interventions, functions of Allocation, redistribution and Stabilization) and also has its effect on business policies and operations. Therefore public finance has the ability to take business toward Economic Sustainability, Social Sustainability, Human Sustainability and Environment Sustainability which can be achieved by targeting the driver of the economy i.e., Business World through public finance.

<u>Keywords:</u> Fiscal Policy; sustainable business model; Economic Sustainability; Human Sustainability; Environment Sustainability.

Introduction:

A business or an industry operating in a place is totally dependent on the environment, society, and economic condition, availability of resources for its raw material, capital, labor and entrepreneur. To an extent there is optimum utilization of resources but there are high cases of overexploitation of resources, market distortion, negative externalities, inequitable distribution, Monopoly Exploitation and Information failure.

In such conditions, there comes the intervention of government through public finance which can efficiently bring economic, social, human and environmental sustainability in Business Organizations.

In this paper the crux is to understand the issues with businesses in adopting a sustainable model and how the government makes corporates as a wheel to adopt sustainable economic growth and sustainable economic development.

Objectives of the study:

- **1.** To evaluate the impact of public finance policies on encouraging sustainable business practices in India.
- **2.** To know the major challenges and opportunities businesses trigged by in India associated with sustainable practices through public finance mechanism.
- **3.** To evaluate the effectiveness of existing public finance initiatives in encouraging environmental friendly and socially responsible business behavior.
- **4.** To know the role of government policies and incentives for businesses in giving incentives to adopt sustainable strategies in the terms of public finance.

Research Methodology:

Data for this research paper are obtained from qualitative analysis of various articles, The Hindu Newspaper, Government's official websites and online platform. (Secondary Sources).

Review of Literature:

- 1. Role of Public Finance in Sustainable transition by Bozena Ryzawska, it is stated that public sector has important responsibility in directing businesses to adopt green economic practices. The common objective of public sector and businesses is to sustainability transition.
- 2. Sustainable Public Finance: Mini Review by Haneen Al Kahlot, Abu Dhabi University,
 - Subsidies by the government and controlling their decision making and frameworks, it would be beneficial for both the enterprise and the public at large under the scope of sustainable public finance.
- 3. A Research Paper on "An exploratory study of sustainability and firm performance for Indian manufacturing small and medium enterprises" in Journal of Cleaner

Production in the year 2022. This research paper affirmed that what make small manufacturing business in India sustainable, and it focused on that how do they take their employees, and how well they are performing financially. It is accessed from the study that if business owner and employees concerned about doing right thing and does thing ethically, it results in managing the company in better waste management. Treating people well indirectly lead to environmental benefits and result to financially improvement. This study give advice to managers to that how do they maintain cordial relations with their employees and avoid wastage.

Data Analysis and Interpretation:

Government Budget Allocation for sustainability related initiatives

A) Renewable Energy: Budget Allocation done by Indian Government for 2024-25

Rs 10,000 crore for grid-based solar power scheme, compared to Rs 4,757 crore in 2023-24, as per revised estimates.

Wind power was allocated Rs 930 crore in 2024-25 compared to Rs 916 crore in 2023-24.

Rooftop solarisation: 10 million houses to be brought under rooftop solar scheme and provided 300 units of free electricity each month.

Viability gap funding will be provided for offshore wind energy for an initial capacity of 1 gigawatts (GW).

- Coal gasification and liquefaction of 100 tonnes capacity to be set up by 2030.
- National Green Hydrogen Mission allocated Rs 600 crore in 2024-25, compared to Rs 100 crore in 2023-24.
- Union Ministry of Environment, Forests, and Climate Change's (MoEFCC) budget estimate raised to Rs 3,265.53 crore from Rs 3,079.4 crore in 2023-24.
- Union Ministry of New and Renewable Energy's (MNRE) budget estimate increased to Rs 12,850 crore from Rs 10,222 crore last year

B) Environment Protection: Budget Allocation: Budget allocation done by Indian Government for 2024-25

In 2023-24, the Ministry of Environment, Forests and Climate Change has been allocated Rs 3,079 crore, a 24% increase over the revised estimates of 2022-23. India has set targets to transition to renewable energy to tackle climate change, availability of adequate finance is a key challenge. According to experts the overall

cost required for India to adapt to climate change by 2030 is expected to be around Rs 86 lakh crore

C) Infrastructure: Budget Allocation: Budget allocation done by Indian Government for 2024-25

The Finance Minister Nirmala Sitharaman announced that the outlay for infrastructure development will be increased to 11.11 lakh sector. When compared to last year, the outlay has seen an 11.1% increase.

As per current year, the budget sanctioned by Government of India for above, shows that government has taken the initiative for promoting sustainable practices by increasing the percentage of budget compared to last financial year.

Structure of public finance in India for taxation:

1) Agri-reforms:

Agriculture credit target increased to ₹20 trillion for FY'24, special focus on animal husbandry, dairy and fisheries, as per Budget 2023. Government spending is 2200 crore for high-value horticulture.

The Budget envisages an open-source digital infrastructure for agriculture and an agriculture accelerator fund focused on youth in rural areas. These steps will help the nascent agri-tech industry and could help boost the sector which still employs nearly half of the country's workforce.

2) Green growth and renewable energy:

Green growth is always priority; government is implementing many programmes for green growth across various economic sectors. This will help to reduce carbon intensity and generate green jobs.

The govt has announced an outlay of ₹35,000 cr for energy transition investment. It also affirmed that the target to be reached for green hydrogen production to 5MMT by 2030. Green credit programme will be planned for the Environment Protection Act.

Infra:

Government is hiking the capital expenditure by 33 per cent to ₹10 lakh crore for infrastructure development for 2023-24 and will be at 3.3 percent of the GDP. This is the highest outlay for capex ever. In FY23, the capex outlay was ₹7.5 lakh crore.

The Centre has also identified 100 critical transport infrastructure projects for implementation and proposed 50 new airports for increased connectivity. Also, ₹10,000

crore will be set aside for the development of urban infrastructure. FM Sitharaman said that the increased capital outlay for infrastructure will "crowd in" private investment in India.

"Newly established infrastructure finance secretariat will assist all stakeholders in more private investment," Sitharaman said.

Reason for the need of Public Finance in Sustainable Business Model:

I) Agriculture:

All the materialistic farming and farming related activities are included in Agribusiness. Intensive farming especially in the regions of Punjab and Haryana has depleted the Ground Water Resources and had led to increase in the level of uranium.

Public Finance as a Solution in attaining sustainability:

- 1. Minimum Support Price
- 2. Pradhan Mantri Kisan Samman Yojana
- **3.** Interest Subvention Scheme: Under this scheme the Government of India Provide subvention of interest of 1.5% on short term loan by the farmers of not more than Rs.3 Lakh.
- 4. Pradhan Mantri Fasal Bhima Yojana
- 5. Agriculture Extension Services
- **6.** In the Budget 2023-2024 the agricultural credit increased by 11% than previous amounting to Rs.20 lakh Crore.

II) Automobile:

India is the 4th largest automobile producer of the world. The reason for slowdown of this Business can be attributed to the Energy transition. Automobile business has to modify its production line, resources availability (Lithium), Consumers adoptability are the major concern.

Public Finance as a Solution in attaining sustainability:

- 1. Vehicle Scrapping Policy: Under this policy greening of economy is held by replacing the 15 years old government cars, ambulance and buses
- **2.** Production Linked Incentives: To ensure continuous flow of investment to the manufacturers manufacturing Advance Automobile Technologies.
- **3.** EV promotion Policies: Incentives are being provided to the manufacturer manufacturing Electronic Vehicle under FAME-II.

III) Health:

For social Sustainability, quality of life or standard of living of the public matters a lot. The key issues faced by Health business:

- a) High out-of-pocket health expenditure.
- **b**) Inefficient Insurance system- Lack of Prompt disbursal of insurance money to the patient.
- c) Monopoly Market Power in Pharmaceutical Industry

Public Finance as a Solution in attaining sustainability:

Minimize Market Power: It is the duty of the Government to implement controls in price by setting price cap (maximum price), direct provisions, regulation (Competition promotion), licensing, and *subsidies to the producers*.

1. Financial Services: Financial Services includes banking services, Insurance Services and Pension Schemes. When such services are provided, Intention of profit making and inflation depreciating the value of currency can make this business negative to welfare of people and uneconomic respectively.

Public Finance as a Solution in attaining sustainability:

Promotion of Reinsurance Business: Under Insurance Laws (Amendment) Act, 2015 Foreign Reinsurance Company can have its branches to invest in Indian Insurance Companies within the cap of 49%

IV) Aviation:

Aviation Business, the wholly private sector owned. India's civil aviation market being the seventh largest in the world. Rapidly increasing Aviation Turbine Fuel, Infrastructural Gaps, Shortage of Pilot-in-command, High airport charges, are the challenges to Airlines.

Public Finance as a Solution in attaining sustainability:

NABH: The objective of this scheme is creating 100 airports within next 15 years. It aims to raise fund of Rs.4 lakh crore majority of the investment from the private investors. It also has the government's contribution. The scheme will create more employment (Human Sustainability) by skilling and training of human capital.

V) Manufacturing:

Manufacturing Business involves all those businesses involved in converting raw material to finished product along with mechanization. It may include Food Processing Industry, Drone Industry, Textiles, and many more. It employs 12% of

the total workforce. Manufacturing industry faces tough competition due to import of Chinese product, Low Productivity, Environmental issues, and IPR Compliances.

Public Finance as a Solution in attaining sustainability:

- **1.** Favorable Tax Regime: Section 115BAB in Taxation Laws provided for the less tax rate 15% including cess and also surcharges.
- **2.** Production Linked Incentive: Under this scheme, incentives are given to the manufacturing companies for their progressive sale.
- **3.** Technical Textile: Recently, the Ministry of Textiles has announced internship opportunity in the field of technical textile, which also has the aim of promoting research and development, promotion of export, education, training and skill development resulting in human and economic sustainability.

VI) Maritime:

Maritime includes maritime business industry, ports, marine resources, maritime engineering, research and development, shipbuilding and offshore wind energy. Around 95% of world trade by volume and 65% of trade value is done through maritime sector. Some of the unsustainable operation of this business is pollutionoil spill, Noise pollution, Greenhouse gas emission.

Public Finance as a Solution in attaining sustainability:

- 1. Expenditure on ship recycling: India aims to double the capacity of ship recycling by the year 2024. Such recycling can fulfill India's 2% of steel demand and can encourage to form a circular economy.
- 2. Tax Incentives: On port charges, dock charges, cargo handling tax according to the condition of economy will definitely contribute to sustainable operation of maritime activities.

VII)Oil and Gas:

Oil and Gas on which the whole economy is dependent and India has to be dependent on Gulf Countries on these resources. Business in Oil and Gas sector like the oil refineries, Transportation and Pipelines are highly regulated by the government. Hence Tax cuts, other incentives directly affect the sustainability of those business.

VIII) ICT:

Information and Communication Technology Business contribute 13% to the nation's GDP. It is one of the major drivers of economy. Nearly 5 million people

are employed in the year 2022. The total energy produced worldwide out of which 6% is use by IT business.

Public Finance as a Solution in attaining sustainability:

Subsidizing the low emitting air conditioners is a sustained path.

IX) E-commerce:

India will be the world's second e- market having shoppers amounting 400-600 million. The issue here in this business is recyclability of the packages, fossil fuel based delivery system contributing to pollution.

Public Finance as a Solution in attaining sustainability:

1. GeM Procurement by the Government department making startups sustainable, boosting investment in the startups.

Conclusion:

Public finance has multi dimension. It cannot be directed only a single sector. Public finance need extensive planning and such planning should be directed towards sustainable environment through the medium called business.

Promoting Positive Externalities	Reducing Negative Externalities
Subsidies	Direct Control
Production and Supply	Market based Control

SUBISIDIES POLICY

Higher Subsidy	Lower Subsidy
Reduces the Cost of production	Increases Cost of Production
Higher Output	Low Output
Subsidy on Food Grains-food Security	Decreasing Subsidy on Chemical
	fertilizers
Social Sustainability	Environment Sustainability

PRODUCTION AND SUPPLY POLICY

Expansion	Contraction
Promotes both production and supply	Demotivates Production so Supply
Expenditure: Research and Development,	Taxes: High slab of GST, High import
afforestation, sewage treatment, etc.	duty and high custom duty, etc.
Social Sustainability	Economic sustainability

DIRECT CONTROL

Regulation	Facilitation
Total prohibition to set limits on negative	Facilitation to promote positive
Externalities	Externalities
Environment Sustainability	Economic sustainability

MARKET-BASED CONTROL

Conversion of Social cost to private cost	Conversion of Private cost to Social Benefit
Way- Taxes and Permits	Way- CSR compliance, Startups
Environment Sustainability	Social Sustainability

Actual role of Public Finance in making business sustainable:

I. Business economic sustainability and public finance:

- **a.** Redistribution function which ensures fairness and equity (progressive taxation)
- **b.** Incentive taxation
- c. Subsidy in production of essential goods

II. Business environment sustainability and public finance:

- **a.** Low tax rates on green products.
- **b.** Assist private sector in energy transition.
- **c.** Memorandum of Understanding with NGO to save environment.
- **d.** Subsidy on environment friendly product.
- e. Carbon Pricing

III. Business social sustainability and public finance:

- a. Expenditure on pension Scheme
- **b.** CSR Compliance
- c. Labor laws, Employee policies in compliance
- d. Consumer Protection Initiatives
- e. Compulsory Employment to Local Communities

IV. Business human sustainability and public finance:

- **a.** Schemes of Up skilling Population.
- **b.** Emerging scope of Vocational training Institutes.
- c. Internship Provisions.

Recommendations:

 Policies directly linking the effects of public finance and sustainability of a business.

- Bringing unorganized business within the larger scope of public finance.
- Intensifying Ease of Doing Business with the help of Public Digital Infrastructure.
- Flexible organizational structure to be introduced to adopt to the reforms, and modify according to the new tax laws, and other compliances.
- A internal committee must be formed within the organization oversee the operations of the business are sustainable and are in alliance with the government policy and periodically report it to the Government department.
- Through Public finance, government must ensure proper allocation of resources and ensure that it has not been overexploited and there is an sustainable use of it.
- Government must impose tax on businesses earning tremendous profit, and must not allow crowing of its fund in the top firms, instead must redistribute it to the poor.

References:

- 1) https://financialservices.gov.in
- 2) https://Pib.gov.in
- 3) https://www.downtoearth.org.in/blog
- 4) Batool, Ali, Rahman, A. Environmental Impact of Information Communication Technology on Disaggregated Energy Consumption In China:Threshold Regression
- 5) Iasparliament.com
- 6) https://www.ibef.org/industry/ecommerce-presentation
- 7) Economics for Finance CA By Chartered Accountant. Prashant Sarda B. Com., F..C.A., Expert Professionals Academy Private Limited
- 8) Indian Economy By Ramesh Singh, 14th Edition Hill Education (India) Private Limited.
- 9) The Hindu Dated February 2, 2023 Vol.9 MUMBAI CITY EDITION
- 10) Sansad TV Perspective
- 11) https://mintgenie.livemint.com/