Aatmanirbharta

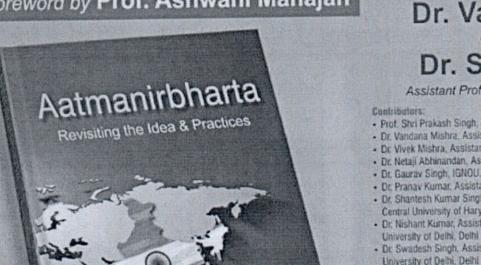
Revisiting the Idea & Practices

Editors
Vandana Mishra • Swadesh Singh

Aatmanirbharta

Revisiting the Idea & Practices

Foreword by Prof. Ashwani Mahajan



Vandana Mishra • Swadesh Singh

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The idea of 'Aatmanirbharta' is eternal. It is about the strangth of the society and eternity of the nation. Yet the practical aspect of it is not only debatable in the present interdependent world order but is also subject to push and pulls, pressures and challenges of resources originating from the decidedly unequal world. Herein, the need of the hour is to understand one's self-our needs, our capacity, our strengths, and also our limitations-and then move on to improve and excel with a vision of reflecting one's personality in that of society and the nation. The journey of being Aatmanirbhar is all about deciphering the heights that we can scale provided we are grounded enough. This book is an endeavour to understand the journey of idea and practices of

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Vandana Mishra is an Assistant Professor in the Centre for Comparative Politics and Political Theory, School of International Studies, Jawaharlal Nehru University. She has done her PhD from the Department of Political Science, University of Delhi. Her areas of interest include Indian Government and Politics, Comparative Politics, Public Policy and Coalition Politics. She has a teaching experience of more than 18 years in various colleges of University of Deihi. She has 26 research papers and three books to her credit

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Market Economy: Institutions, Treaties and Reforms

Menka Singh

India's journey from a 'Hindu rate of Growth' of 3.5% to one of the fastest growing economy in recent years is quite spectacular. This transition also saw a move away from the socialist planned economic model of Nehruvian era to one of free market economy model of the Neo-Liberals which India adopted as its New Economic Policy (NEP) in 1991. Thirty years since its adoption, India, as well as the world, is now facing one of the biggest crises of its time, Corona Pandemic. This Pandemic is, and will have an everlasting effect on the global economy. The lockdown, imposed to maintain social distancing and reduce the spread of the virus, has brought almost all the businesses to a standstill and rendered many jobless. The government has a huge daunting task ahead; to ensure that the problem of unemployment does not translate into the problem of hunger. The government has to re-think its policy objective and new strategies have to be devised as the existing one would not be able to tackle the problem. As Friedman once said it for Neo Liberal ideas, "Only a crisis - actual or perceived - produces a real change. When the crisis occurs, the actions that are taken depend on the ideas that are lying around" (Friedman 1982). PM Modi raised the concepts of 'Aatmanirbhar Bharat' or self-reliant and 'Be-Vocal-for-Local' to bring the economy back on its growth trajectory. The concept of self-reliance was already making rounds ever Market Eco

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क एक मनीयों ऐसा भी 44. मानवता के मुन्त तथ्यी नारायण यादव ।। गुरुका नामा नाम्यण बादवन्दु ४६ नस्पी नाग्या : एक क्रमवानी 40. नक्ष्मी नारायण के प्रान समापित शुभावति र्थः रखन्ता सनास स्टम् नागवण 38 अपने अनुशासन**ंच्य प्रधानाध्यापक** साधान्य परिधान में विराट व्यक्तिन्त्य अर योजन बन क शुक्क नत्मा बब् 33. आदर्शीय द्रावात लामा नागवण : एक कम्बन्द्रः ब्यासन स्था ही असी और नागाय है लख्नी नागपण पादव 29. तसी नासका याखा जैसा मेने देख 28. कमयाना जिल्ह 27. पर प्रदर्भक गृहः लक्ष्मी नारायण काटक 25 T TO 1 TO 1 THE 2 TH 25. स्मृतियों के इतिहास सं लक्षी बाबू का अधिनदन 24. विशिष्ट व्यक्तित्व : सामी बाबू 23 पन निमन करकी ध्योतन आनीकित हा जाए जब में नक्ष्मी नारायण जी पर जीपनंदन ग्रह MID IELD 京 田 田 村 子 लस्मी नरराज्य पादव साधारण कांद्रा में अन्याधारण व्यक्तिन्त्र लस्यो नारायण यादव : एक सर्गानत व्यक्तित मेरी बाद्यांक्या के त्याप्ताकार 412 12 444 तम अपने तथा है के अंदर तिमान को ांक अनुवासकारत उत्था व्यक्तिया की शास्त्र त नी हरपासन्द मिश्र (बोह्मा) पो (डी.) उदयाका आहा तो, महस्यह हाराम 'डानेन्ट डा जिसेन्द्र कुमार करत डी, उमेरा कर्न्ट पान्डी, श्री तिलक्षणारी याहर की सुभाव बन्द्र बाह्य व अस्ताव का ही आम प्रशास मुख स्तात कुमार द्वार sales Saiss सजय कुमार करत ST STATE SEAL OF DESIGNATION OF STATE OF PERSON वागन्यनाय निवारी जी. असित रजन Late and State यहमास्य पटन दा अधिक रंडन THE STREET डा. जीतेन्द्र अन डा, मन्त्रु सव al indicate Hair and STATE TO STATE 120 Ž. Section 1 × X (6)

कर्मपय के पश्चिक : लक्ष्मी भारतिया वादव



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स्वतंत्रता सेनानी लक्ष्मी नारायण

सिंग को धरती पर एक से बढ़ कर एक महानुक्ष बर्गान हुए है। एकद ब्लाह स्पन्नीर गुढ़र जयहराज सरावण आर नामों की एक तस्त्री प्रश्न कर प्रत्ने कर एक स्थान के एक तस्त्री 1929 को प्रतिरंश है। इस्त्री नामों में एक ताम स्थलका लेगानी प्रांत्र शिक्षा अरावण ग्रांच के है। वाली बाद का जन्म 2 जनवरी 1929 को एक्टियार भारत में पिता सम्बरित आधार और माना बचना को के पर हुआ था। अरावण परिवार परिवार कर ने कृषि और पश्चामित और माना बचना को गई। एक्टिया समानी थे। बचना परिवार के प्रांत्र अपने कर प्रत्ने की प्रतिरंग की है। स्थलका सनानी, प्रारंगित का सराव कर प्रभाव प्रश्न वाली नारावण परिवार स्थान की स्थलका सनानी, प्रारंगित का सराव प्रभाव प्रश्न की नारावण परिवार स्थान स्थान की प्रतिरंगित का स्थान की स्थलका सनानी, स्थान की स्थलका सनानी, सनानी, स्थलका सनान

लायने अपने जन्मभूमि मेश्या को ही अपनी वर्मभूमि के रूप में मुना। एक अनुहासनायुव वहान शिक्षक और परिश्क इंटरनेम्पुअन के रूप में आपके विगयन में आप विद्यार्थियों के साथ रही हैं। आपके विगयनों से मह देन स्मारा आपका कर्या है। एक बार आपकी कर्या का एक विद्यार्थियों के साथ रही हैं। एक बार आपकी कर्या का एक विद्यार्थियों के साथ रही हैं। एक बार आपकी कर्या का एक विद्यार्थियों हिए एक बार करने पर क्षेत्र के साथ मजदूरी करने जरता है। एक बार आपकी करने करने पर के पर पर वहने दिन के बार का पर करने पर के साथ मजदूरी करने जरता है। एक बार का पर करने दूर है के साथ से पर का पर करने पर के साथ का पर करने अपने का पर का का पर करने अपने का पर का पर

आपके जीवन पर सबसे न्यादा प्रभाव काशी हिन्दू दिक्रजिक्षालय के अर्थाणक मान्येन का यहा। यहां आपको आन्याय हजारी प्रसाद दिवंदी का सान्यित्व । दिवंदी जी साल में हो आर्थ निवंदित से बीएय यू अर्थ दे। एम. ए हिन्दी की काल में दिवंदी जी आरिक्शलीन हिन्दी साहित्य का इतिहास और भारतीय धर्म साधना पढ़ा रहे थे। उनके सामने वाली लेच पर ही नक्ष्मी बाज के दे थे। दिवंदी जी नाम पंच के बारे में विधायियों से कृष्ठ प्रका किये। सोक्शीवन के भितंदे तथ्यी नामग्रण का जीवनानुभव बिन्कून अलग था। आधार्य दिवंदी जी आपके उत्तर में बहुत प्रभावित हुए। उसी समय दिवंदी जी नामग्रकालीन धर्म साधना नामक पुस्तक तिख रहे थे। तक्ष्मी बाजू ने इस सदम में आधार्य हिवंदी का बहुत साही जानकारियों उपतब्ध कराई।

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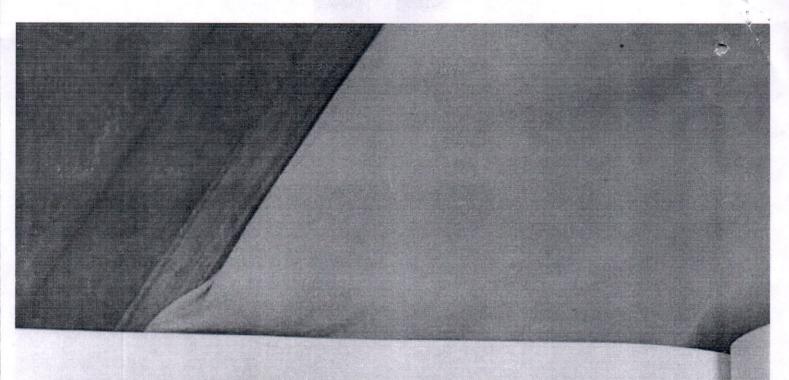
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िन्दे हें प्रतिताल प्राप्तत समाप्त किए, प्राप्तमा द्वानक किए, प्रिय प्रतार किए आपने सत्यादी रहे हैं। हिन्दी के प्रतिद्ध आयोगक समया किए के साथ आपने कहें हैं। इस उपने नका कामण के कार्य पर केंद्र कर वहीं माहित्यक और सम्पतिक कार्य करते रहते। इस समय महिन्द में सम्पत्त का लेते था। वीचन कर्ण के कहा करते कि उपने के समय स्थान के समय है। वीचन कर्ण के कहा कर्ण

रिल्ले कर है कर भी सरवार देना आपको भूत नहीं याये। वे तब भी विकार आने तो जारसे उसर देनते । आपकी माटण और लोडिकारी मूनवा के जारन सम्बद्ध के के पन

नामें माराज बादा ने बेरण का को बास देखा हा उसे पुन्ने नुपूत्र प्रोक्रेसर केरण मात्राच बाहार कर रहे हैं। प्राईक्स केरण मात्राच बाहार में के प्राईक्स केरण मात्राच मात्राच मात्राच मात्राच के रहे प्राईक्स केरण मात्राच में के काल कर स्थान मात्राच मात्राच मात्राच मात्राच में के काल कर स्थान मात्राच मात्राच प्राईक्स के प्राद्ध में मात्राच प्राईक्स केरण कर स्थान मात्राच प्राईक्स के प्राद्ध में मात्राच प्राईक्स केरण कर मात्राच मात्र

तान वालीय समान तार्थ अन्तर्थनात् के दौर में सूच्या रहा है। सामाजिक जादन और सूच्या विद्याले जा थी है। इससे स्वतंत्रना संमानिक ने विस्त राष्ट्र का मान्य देख का दश इंग्ल ताना जा रहा है। तम दौर में जादने और त्यान के प्रतिनृति नक्षी बानू के व्यवसम्ब को समान के परास का नामा तक सरम्बद्दान करते हैं।

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ान्यापेमधी। श्रथकंबीरसीतीशकीशिक्षतंत्रप्रकाम्परेत्नेते दंगतियमः ततीरमतगुरस्वोगको साम । सिथीयुर्वत्यके दिह इपिमं विकेश स्वतिस्वातीशकीशिक्षतंत्रप्रकातिभावको स्वात्त्रप्रकातिभाविद्यात्त्रित्रमात्त्रप्रकातिभावको स्वात्त्रप्रकातिभाविद्यात्त्रित्रमात्त्रप्रकातिभावको स्वात्त्रप्रकातिभावको स्वात्त्रप्रकातिभावको स्वात्त्रप्रकातिभावको स्वात्त्रप्रकातिभावको स्वात्त्रप्रकातिभावको स्वात्त्रप्रकातिभावको स्वात्त्रप्रकातिभावको स्वात्त्रप्रकात्त्रप्रकातिभावको स्वात्त्रप्रकातिभावको स्वात्त्रप्रकात्त्रप्रकात्त्रप्रकात्त्रप्रकातिभावको स्वात्त्रप्रकात्त्रप्रकातिभावको स्वात्त्रप्रकात्त्रप्रकात्त्रप्रकात्त्रप्रकातिभावको स्वात्त्रप्रकात्रप्रकात्रप्रकात्त्रप्रकात्त्रप्रकात्त्रप्रकात्त्रप्रकात्त्रप्रकात्त्रप्रकात्त्रप्रका

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: नीरू ग्राफिक्स, दिल्ली

डी-ब्लॉक इन्द्रापुरी लोनी,

से ही पद्य रचना प्रारम्भ हो गयी थी। हिन्दी भाषा व साहित्य के जानकार अपभ्रंश की प्राकृत को अन्तिम अपभ्रंश अवस्था से ही हिन्दी साहित्य का आविर्भाव स्वीकार किया जाता है। उस समय अपभ्रंश के कई रूप थे और उनमें सातर्वी-आठवीं शताब्दी हिन्दी भाषा का इतिहास लगभग एक हजार वर्ष पुराना माना गया है। सामान्यत:

पू. के बाद तक काफी बदल गई जिसे 'पालि' कहा गया। पहली ईसवी तक आते-माना जा सकता है। का जन्म हुआ। आधुनिक आर्यभाषाओं का जन्म अपभ्रंशों के विधिन क्षेत्रीय रूपों से आते पालि भाषा और परिवर्तित हुई, तब इसे 'प्राकृत' की संज्ञा दी गई। इसका काल क्षेत्रीय रूपों से आधुनिक आर्य भाषाओं का जन्म हुआ। अपभ्रंश से ही हिन्दी भाषा अपभ्रंश भाषाएं प्रतिष्ठित हुई। अनुमानत: 1000 ई. के आसपास अपभ्रंश के विभिन्न पहली ई. से 500 ई. तक है। आगे चलकर प्राकृत भाषाओं के क्षेत्रीय रूपों से संस्कृतकालीन आधारभूत बोलचाल की भाषा परिवर्तित होते-होते 500 ई वैदिक संस्कृत है, जो साहित्य की परिनिष्ठित भाषा थी। वैदिक भाषा में वेद, संहिता

एवं उपनिषदीं- वेदान्त का सृजन हुआ है। वैदिक भाषा के साथ-साथ ही बोलचाल

में जानते हैं, वह आधुनिक आर्यभाषाओं में से एक है। आर्य भाषा का प्राचीनतम रूप

बनकर उभरा। इसी 'हिंद' से हिन्दी शब्द बना।आज हम जिस भाषा को हिन्दी के रूप भाषा में 'स' को 'ह' बोला जाता है। कालांतर में हिंद शब्द सम्पूर्ण भारत का पर्याय 'हिंद से' संबंधित। 'हिन्दी' शब्द की निष्पत्ति सिंधु-सिंध से हुई है क्योंकि ईरानी

'हिन्दी' वस्तुत: फारसी भाषा का शब्द है, जिसका अर्थ है- 'हिन्दी का' या

की भाषा संस्कृत थी,जिसे लौकिक संस्कृत भी कहा जाता है।

अन्तिम अवस्था अवहट्ठ से हिंदी का उद्भव स्वीवकार करते हैं। चंद्रधर शर्मा गुलेरी

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लेखक डॉ. महंथी प्रसाद यादव



अक्षरा गीतांजलि पब्लिसर्श एण्ड डिस्ट्रीब्यूटसं

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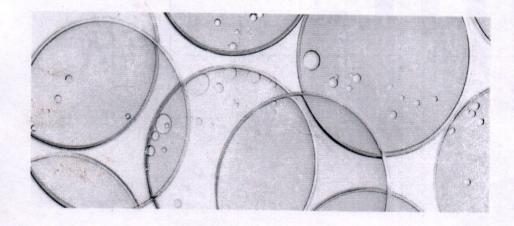
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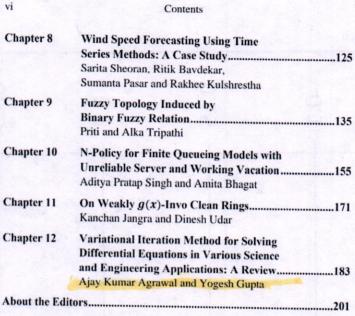
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Preface

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Studies of Terahertz Sources and Their Applications

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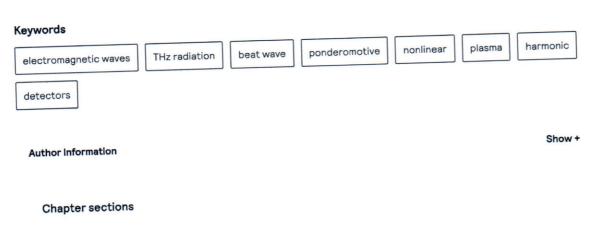
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Abstract

The contributed chapter discuss the applications of terahertz radiations and its generation mechanism through laser plasma interactions. The methods of generation of terahertz radiations from plasma wake field acceleration, higher harmonic generation and the laser beat wave plasma frequency are reviewed. The nonlinear current density oscillate the plasma at beat wave frequency under the effect of ponderomotive force and excite the terahertz radiation at beat wave frequency. The current state of the arts of the methods of generation has been incorporated. The mathematical expression of ponderomotive force has been derived under the influence of gradient of laser fields. In additions, the future challenge and their overcomes are also been discussed.



1. Introduction

THz radiation has applications in broadband THz communications, basic science, security, pharmaceutical industries, manufacturing and medicine science. The Terahertz (THz) frequency region, which was difficult accessible frequency region range (0.1-30 THz) lies between the microwave and infrared bands in electromagnetic spectrum. This THz region is also defined as borderline of high frequency region of the microwave band and long wavelength region of far infrared light. Radiation at 1 THz has a period of 1 ps, wavelength 300, wave number 33/cm and photon energy 4.1 meV. It has peak field at 100 MV/cm between 15 THz and 50 THz that provide major momentum to the investigating materials. Therefore THz waves allow direct access to molecular rotations, lattice vibrations and spin waves (low-energy excitations) in contrast to excitations of valence electrons stimulated by optical waves. The THz radiation is non-ionizing and nondangerous for living cells. These radiations can penetrate through plastics, metals, textiles, paper and woods which assists to identify the explosives and drugs. In most of the cases, the vibrational modes of oxygen, water and carbon monoxide (molecules of drugs and explosives) lies in the THz region, therefore during the investigation, those ingredients display distinctive absorption lines in the THz frequency range.

Electromagnetic waves have an applications in medical imaging, broadcasting, WiFi, and treating cancer. The Sequential arrangement of electromagnetic waves are shown in

	The electromagnetic spectrum			
Frequency (Hz)	Nature	Wavelength (m)	Production	Applications
10 ²²	gamma rays	10 ⁻¹³	Nuclear decay	Cosmic rays
10 ²¹	gamma rays	10 ⁻¹²	Nuclear decay	Cancer therapy
1018	x rays	10 ⁻⁹	Inner electronic transitions and fast collisions	Medical diagnosis
1016	ultraviolet	10 ⁻⁷		Sterilization

The electromagnetic spectrum				
Frequency (Hz)	Nature	Wavelength (m)	Production	Applications
10 ¹⁵	visible	10-6	Thermal agitation and electronic transitions	Vision, astronomy, optical
6.5 × 10 ¹⁴	blue	4.6 × 10 ⁻⁷		
5.6 × 10 ¹⁴	green	5.4 × 10 ⁻⁷		
3.9 × 10 ¹⁴	red	7.6 × 10 ⁻⁷		
10 ¹⁴	infrared	10 ⁻⁵	Thermal agitation and electronic transitions	Heating, night vision, optical communications
109	UHF	10-3	Accelerating charges and thermal agitation	Microwave ovens
10 ¹⁰	EHF	10-1		remote sensing
108	TV FM	10		radio transmission
106	AM	103		radio signals
104	RF	105	Accelerating charges	

Table 1.

The electromagnetic spectrum.

We also summarize some of the main applications for each range.

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2. Application of terahertz radiation

THz radiation technology have a substantial presentation in the field of engineering, science, biomedical engineering, astrophysics, environmental engineering, information science, technology and plasma physics.

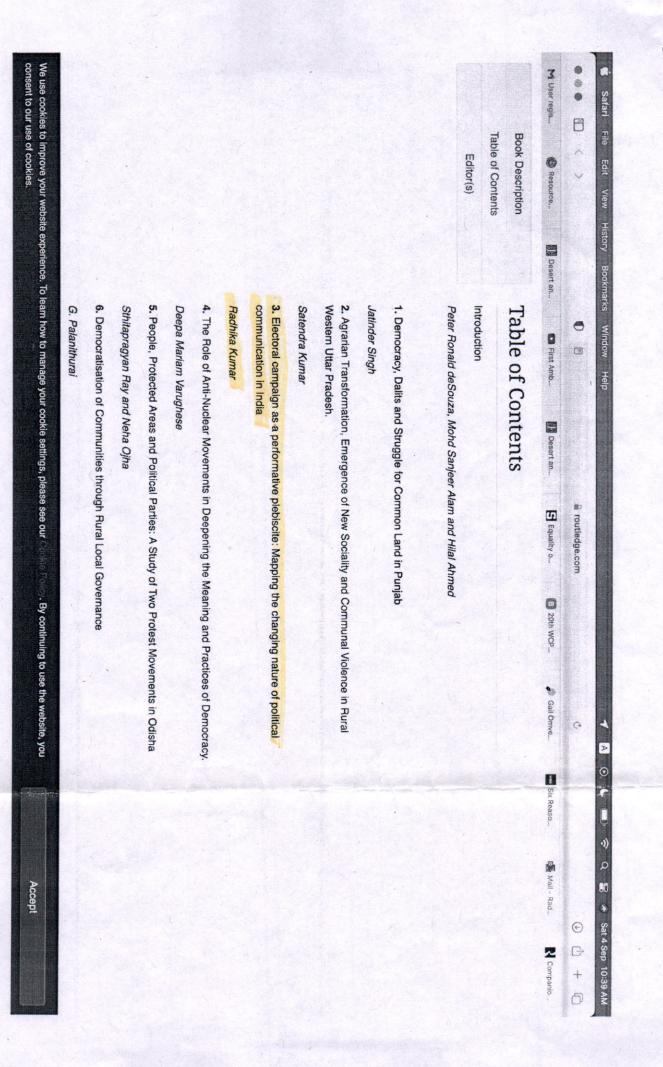


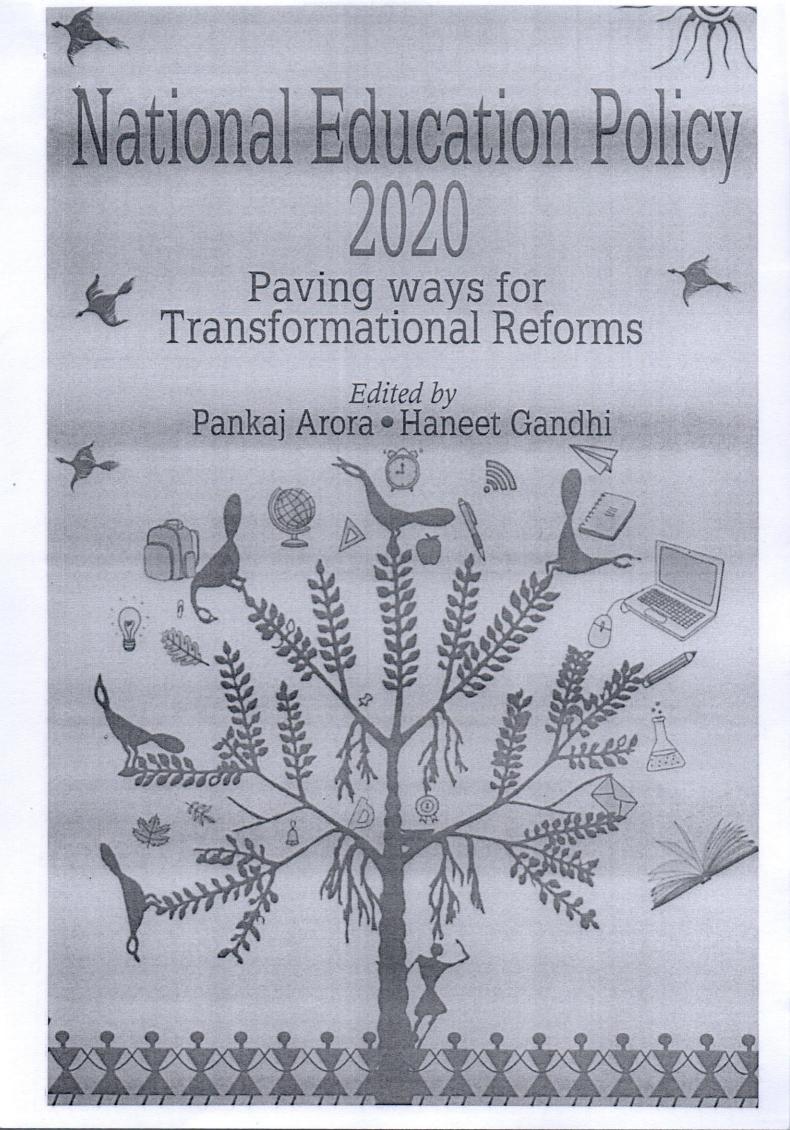
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Resilience, Fragility, Ambivalence

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Creating and Maintaining the Honour of Teachers: A Profound Vision of NEP

Pawan Sinha

Education, Learner, School and Teacher! All these words related to any education system are not just words, but imbibe a whole tradition and entire philosophy within themselves. It has a tradition because since the advent of human life, there has also been 'education'! This means that 'education' is the process of knowing, learning and inculcating it into one's life. In the whole process of life, humans continued to learn new things, kept learning and tried to imbibe the same in the life which they knew and learnt. It is a 'Philosophy' because it gives the vision to understand life and the world! This is the same life and world in which 'education' is used or the education helps in 'grooming' the life and the world.

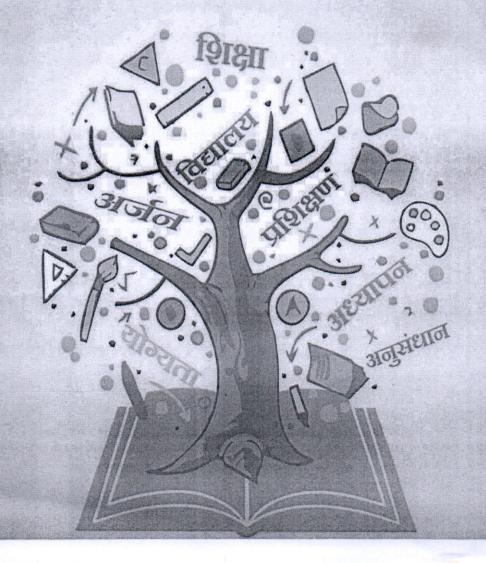
In the context of education, it is necessary to understand that learning has never been an accumulative concept nor of cumulative nature, the nature of learning or its ethos has never been argumentative. This limit of learning is neither for the learner nor for the teacher! Both have to continue learning and this continuity is also necessary because there is continuity in life too! That is why it is constantly being reiterated that the history of education and its tradition is as old as the history of human life! Rabindranath Tagore also believes that "A teacher cannot truly teach until he studies himself, a lamp cannot ignite another lamp until it continues to burn itself." It is a very big responsibility of a teacher — to 'update' his concepts about education itself and to 'explain' the true meaning of education to the society and the nation as well. Somewhere this responsibility of a teacher also becomes the responsibility of teacher education!

The question is also about the quality of school education, and as soon as this question arises, the picture of a teacher comes in front of the eyes. Another important point to consider is that as the 'education' and 'schooling' are different, similarly education is neither limited to the boundary of the school nor 'confined' within the boundary of the school. Similarly, the kind of emotions, understanding, perspective and 'sustenance' required to be an effective teacher is neither limited nor 'confined' within the realm of teacher education! As a person, the teacher also continuously learns and develops feelings from the surroundings, community and events occurring around him/her! If a person has all the positive concepts related to life and has a 'lively'

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पवन सिन्हा

शिक्षा, शिक्षार्थी, शिक्षालय और शिक्षक! किसी भी शिक्षा व्यवस्था से संबद्ध ये सभी शब्द, केवल शब्द मात्र नहीं बल्कि स्वयं के भीतर एक पूरी परंपरा और समूचे दर्शन को समेटे हुए हैं। परंपरा इसलिए, क्योंकि जब से मानव जीवन रहा है, तब से 'शिक्षा' भी रही है! इसका अर्थ यह है कि 'शिक्षा' जानने, सीखने जीर उसे अपने जीवन में उतारने की प्रक्रिया है। मानव जीवन की पूरी प्रक्रिया में वह नित नया जानता रहा, और उसे अपने जीवन में उतारने की प्रक्रिया है। मानव जीवन की पूरी प्रक्रिया में वह नित नया जानता रहा, सीखता रहा और जो जाना, सीखा उसे जीवन में उतारता रहा! 'दर्शन' इसलिए क्योंकि, वह जीवन और जगत को समझने की दृष्टि देता है! यह वही जीवन और जगत है जिसमें 'शिक्षा' का उपयोग होता है या फिर शिक्षा जीवन और जगत को 'सँवारने' में मदद करती है।

शिक्षा के संदर्भ में यह समझना आवश्यक है कि सीखना कभी भी संचयवादी अवधारणा नहीं रही है और नहीं संचयात्मक प्रवृत्ति की रही है, सीखने का स्वभाव या उसकी प्रकृति कभी भी संचयात्मक है और नहीं है! सीखने की यह सीमा न तो शिक्षार्थी के लिए है और ही शिक्षक के लिए! दोनों को ही सिखना जारी रखना होगा और यह निरंतरता इसलिए भी आवश्यक है, क्योंकि जीवन में भी निरंतरता है! सीखना जारी रखना होगा और यह निरंतरता इसलिए भी आवश्यक है, क्योंकि जीवन में भी निरंतरता है! यही कारण है कि यह बात बार-बार कही जाती है कि शिक्षा का इतिहास, परंपरा उतनी ही पुरानी है, जितना यही कारण है कि यह बात बार-बार कही जाती है कि शिक्षा का इतिहास, परंपरा उतनी ही पुरानी है, जितना मानव-जीवन का इतिहास! रवीन्द्रनाथ टैगोर का भी यही मानना है कि "एक अध्यापक सच्चे अर्थों में तब तक अध्यापन नहीं कर सकता जब तक वह स्वयं अध्ययन नहीं करता हो, एक दीपक दूसरे दीपक को तब तक प्रज्वित नहीं कर सकता जब तक की वह स्वयं जलना जारी न रखे।" एक शिक्षक के ऊपर यह एक वहुत बड़ी जिम्मेदारी है- स्वयं शिक्षा के बारे में अपनी अवधारणाओं को 'दुरुस्त' करना और समाज, राष्ट्र को भी शिक्षा के सही मायने 'समझाना'। एक शिक्षक की यह जिम्मेदारी कहीं-न-कहीं शिक्षक-शिक्षा की भी ज़िम्मेदारी बनती ही है!

सवाल स्कूली शिक्षा की गुणवत्ता का भी है और इस सवाल के उठते ही गाहे-बगाहे शिक्षक की तस्वीर आँखों के सामने घूम ही जाती है! एक अन्य महत्वपूर्ण बिंदु पर मनन आवश्यक है कि जिस तरह से 'शिक्षा' और 'स्कूलिंग' में अंतर होता है और शिक्षा न तो स्कूल की चाहरदीवारी तक सीमित नहीं है और न ही स्कूल की चाहरदीवारी के भीतर 'कैद' है, ठीक वैसे ही एक प्रभावी शिक्षक होने के लिए जिस और न ही स्कूल की चाहरदीवारी के भीतर 'कैद' है, ठीक वैसे ही एक प्रभावी शिक्षक होने के लिए जिस तरह की संवेदनाएँ, समझ, दृष्टिकोण और 'जीवटपना' चाहिए, वह केवल शिक्षक-शिक्षा के दायरे तक तरह की संवेदनाएँ, समझ, दृष्टिकोण और 'जीवटपना' चाहिए, वह केवल शिक्षक शिक्षा के परिवेश, न तो सीमित है और न ही उसमें 'कैद'! एक व्यक्ति के रूप में शिक्षक भी अपने आस-पास के परिवेश,

एसोसिएट प्रोफ़ेसर, राजनीति विज्ञान विभाग, मोतीलाल नेहरू कॉलेज, दिल्ली विश्वविद्यालय, नई दिल्ली, संस्थापक, ऋषिकुलशाला

ALTERNATIVE SCHOOLING

Editors

Dr. Pawan Sinha Ms. Jyoti Deswal



Institute for Research in Indian Wisdom (IRIW)

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1

What is Education

- Dr. Pawan Sinha

At first glance, the title 'Shabd kabhi baanjh nahi hote' overwhelmed and compelled me to ponder as to why the poet of this collection of poems, Mr. Farooq Afridi, gave this title to it? As I wondered, I flipped to a page that gave more room to my thinking. The words of the poem were like this

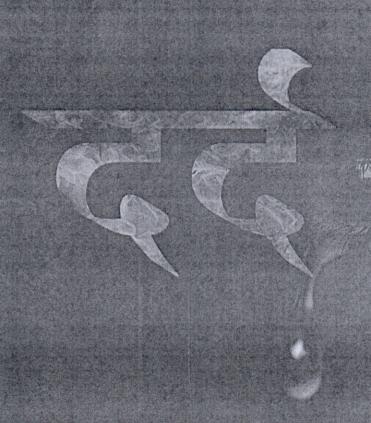
सोच पर पहरा, मत लगने दो

मत जमने दो, उस पर धूल
प्रारंभ हुई यात्रा स्वत्व की, सत्य की
भीतर तक झाँकने की
सोच-सोचकर विस्मित हूँ मैं
धीरे-धीरे ज्यों-ज्यों
गहरे और गहरे उतरता गया
जान गया हूँ रहस्य
चक्रव्युह से बाहर निकलने का

After contemplating on this poem, it is clear that words are never sterile in reality. Words give true and precise meaning in their context. They have that fertile ability, through which they open the bundle (or box) of many meanings of a single word. "सोच पर पहरा, मत लगने दो, मत जमने दो धूल" This line made me to think that ultimately education is also which:

- · motivates thinking,
- · encourages deep reflection,
- · emphasises self-realization,
- inspires introspection and
- · nurtures cognitive creativity.

अिष्ठितशाला के बच्चों की सत्य कथाएँ...



डॉ. पवन सिन्हा

ऋषिकुलशाला के बच्चों की सत्य कथाएँ : दर्द

डॉ. पवन सिन्हा

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लिखित अनुमित के बिना इस पुस्तक का कोई भी अंश न छापें तथा सामियकों में भी प्रकाशित न करें। भारतीय कॉपीराइट एक्ट के अंतर्गत इस पुस्तक के सर्वाधिकार संस्थान के पास सुरक्षित हैं। इसलिए कोई भी व्यक्ति इस पुस्तक का नाम, टाइटल डिज़ाइन, अंदर की सामग्री व चित्र आदि आंशिक या पूर्ण रूप से अथवा तोड़—मरोड़ कर किसी भी भाषा में न छापें, न प्रकाशित करें, अन्यथा कानूनी तौर पर वे हर्ज़—खर्चे व हानि के लिए ज़िम्मेदार होंगे।

इस पुस्तक में प्रकाशित विषयों के बारे में जो विचार अभिव्यक्त किए गए हैं वे पूर्ण रूप से लेखक के अपने शोध के परिणाम हैं।

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Chapter-1

1

The Question of Child Rights to Education

DR. PAWAN SINHA

Before we start our discussion, we need to read an important statement on the National Child Policy, 1974, Government of India. This would give us an idea of the need for alternative schools or informal education systems. The policy document says:

'The nation's children are a supremely important asset. Their nurture and solicitude are our responsibility. Children's programme should find a prominent part in our national plans for the development of human resources, so that our children grow up to become robust citizens, physically fit, mentally alert and morally healthy, endowed with the skills and motivations provided by society. Equal opportunities for development to all children during the period of growth should be our aim, for this would serve our larger purpose of reducing inequality and bring social justice.'

(National Child Policy Government of India, 22 August 1974)

Behavioural finance studies how financial decision making and in turn financial markets are affected by psychology of the market participants. It deals with individual investors' behaviour incorporating psychology, sociology and conventional finance. When behavioural finance is applied to explain how individuals make investment decisions, then it is the subject matter of behavioural finance micro, and when it is applied to explain market mechanism, then it is called behavioural finance macro. The present

study belongs to behavioural finance micro.

Behavioural finance is borne out of the need to explain the anomalies which traditional finance could not. Over the past few decades a number of psychological biases have been discovered which affect individual investor's decision making. The presence of these psychological biases challenges the assumption of rationality maintained by almost all the theories of conventional finance.

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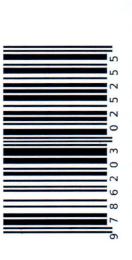
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A Study on Individual Financial Behavior with Special Reference to Islamic Banking in India

1. Dr Saleem Ahmad

2. Dr Mohd Shahid Ali

Introduction:

India is very fast growing state which is facing yet various challenges in regard to its financial sector. The issue of financial inclusion is very important to address over here as various research deliberate that the minorities are reluctant to use interest based financial services that seems hindrance to resolve the challenge of financial inclusion. Among the minorities, Muslims are unconvinced in using interest based financial services. The studies show us that Muslims are not part of the financial inclusion as of their ratio of population. This study pointed out the Islamic principle followers do not want to deal with traditional banking is only because of Interest (Riba in Arabic) which is prohibited in Islam. That is why many among them don't have bank accounts in India yet. This paper tries to find out the attitude and awareness of Indian Muslim towards Islamic Banking System. To know the financial behaviour of Indian Muslim, a questionnaire based on 19 questions distributed to Delhi Muslim which contain questions regarding demographic, financial, awareness and attitude which is investigated by table, graph and mean of statements. This study find that most of the Delhi Muslims are unaware about the Islamic financial services, but their attitude is positive towards Islamic Banking. This study would pave the way to know the attitude and behaviour of Muslims towards Islamic Banking in India.

To begin with this paper "A Study on Individual Financial Behavior with Special Reference to Islamic Banking in India" it's better to have a look of on a historical background of Islamic Banking and its contemporary approach and applications around the globe. Islamic Banks is recognized with different names like interest-free Banking, ethical banking, Participatory banking, etc. Many of the products offered by Islamic banks are quite similar to conventional banking, but there are some norms which make Islamic Banking products exclusive in its approach and practice. Its true Islamic banks had gained momentum very high and attracted

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SUSTAINABLE DEVELOPMENT AND ITS CHALLENGES IN DEVELOPING COUNTRIES Edition I



Dr. Sudhir Kumar Rawat Dr. O.P. Gusai

SUSTAINABLE DEVELOPMENT AND ITS CHALLENGES IN DEVELOPING COUNTRIES

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Decision Intelligence Analytics and the Implementation of Strategic Business Management





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Chapter 4 Artificial Intelligence: Game Changer in Management Strategies



Om Prakash Gusai and Ankur Rani

4.1 Introduction

In today's world, due to more advancement in "technology of deep machine learning" different fields of the economy can be seen as a huge global automation. Most of the known standard task like projects related to e-commerce for getting more efficiency, task related to production line in various industries is managed by intelligent machines. This global change leads to advancement in every field. It can become a reasonable factor about the human beings' replacement in different job roles and verticals of industries. Artificial intelligence just not only leads to adding value for providing great opportunities for management purpose but also poses to help in managers' complex tasks related to the organization. In today's competition, organizations have to create that type of structure related to training and strategy with adoption of use of artificial intelligence which helps to focus on those particular tasks which consists of creativity and judgment-related skills. Managers have to revise the traditional principles of management with full of cooperation among human beings and deep machine learning [1].

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O. P. Gusai

Ashish Gupta Tavishi Tewary Badri Narayanan Gopalakrishnan *Editors*

Sustainability in the Gig Economy

Perspectives, Challenges and Opportunities in Industry 4.0



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Om Prakash Gusai, Ankur Rani, and Preeti Yadav

1 Introduction

In today's scenario, gig workers are everywhere. The term gig economy is used in a collective way to elaborate the independent workers or freelancers. In this economy, people work independently, and "the short-term commitment" made by the gig workers, also known as gigs, "is the norm rather than the exception" (Kobie, 2018). A typical classification of employment in the gig economy is based on the interaction of many parties, such as the relationship between a seller and a mediator, as well as the relationship between the seller and the customer (Healy et al., 2017). The seller is generally known as the independent worker who provides the labor and manages the time, but sometimes the seller can be the producer (like in case of a restaurant, the owner is producer as well as seller of the products and services). Essentially, for the purpose of the transaction, arrangements that are focused on a specific objective will be used to achieve a high degree of autonomy or independence (McKinsey Global Institute, 2016). There is a mediator in the middle of the transaction, but who is that mediator? We have to ask ourselves, is not it? The platform firm acts as a go-between when it comes to making arrangements. Connecting customers and vendors requires some degree of participation from the platform company.

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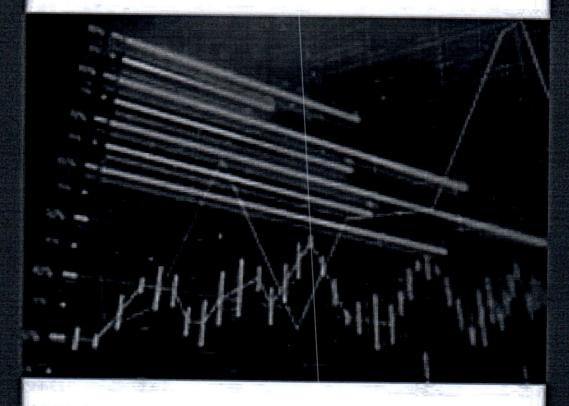
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Applications of Artificial Intelligence in Business and Finance

Modern Trends



Editors
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illustrations

In the current competitive and technology-driven world, AI has emerged as growing technology that is applicable to many fields. As transactions and other business functions move online and grow more popular every year, the finance and banking industries face increasingly complex data management and identity theft and fraud issues. Al can bring many financial and business functions to the next level, as systems using deep learning technologies are able to analyze patterns and spot suspicious behavior and potential fraud.

In this volume, Applications of Artificial Intelligence in Business and Finance: Modern Trends, the focus is on the application of artificial intelligence in finance, business, and related areas. The book presents a selection of chapters presenting cutting-edge research on current business practices in finance and management.

Topics cover the impact and application of AI on many diverse areas in finance and business, including e-commerce systems, financial services, fraud prevention, identifying loan-eligible customers, online business, Facebook social commerce, insurance industry, online marketing, and more.

This book will be useful for those in the fields of finance and business management and also for professionals in electronic and communication technology. It will also be useful for academicians, postgraduate students, research associates, and others.

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SECTORIAL IMPACTS OF ARTIFICIAL INTELLIGENCE

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ABSTRACT

Artificial intelligence (AI) is proving to be of great help to humankind in many fields. It can complement Human efforts in these fields by analyzing the behavior of transactions, anomaly detections, and tracing the major solutions. AI performs, or we can say it is that type of machinery that mimics the "cognitive human mind" like giving solutions to the problems and different learning aspects. This chapter mainly focuses on the impacts of AI in various major sectors of the economy. AI becomes a hot issue because of its various applications that replace the position of a human being to some extent. The present chapter highlights the use of AI in accounting, auditing, marketing, human resource management, and major in the banking sector. The existing patterns of fraud detection lay down on the predefined criteria of specific rules that make detection techniques very difficult, so new AI techniques and models have been adopted to find suspicious transactions and fraudulent acts in various fields.

4.1 INTRODUCTION

In today's environment where everyone is involved in the digital world somehow, we can say the use of artificial intelligence (AI) forms a place in