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3rd cycle

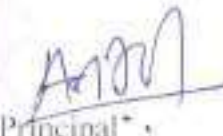
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CRITERIA III - Research, Innovations and Extension

3.3 Research Publications and Awards

Metric No.:- 3.3.1

**Number of research papers published per teacher in the Journals notified on
UGC care list during the last five years.**

 Nehru Education Society, Nerparsopant NEHRU MAHAVIDYALAYA • Arts • Commerce • Science Nerparsopant, Dist.Yavatmal (M.S.) 445102 Centre for Graduate, Post Graduate and Research Studies		
PRINCIPAL Dr. Ashok N. Bhorjar M.A. (History), M.Phil., Ph.D. Mob. 9421736793	PRESIDENT Hon. Shri. Parmanandji S. Agrawal M.Com. Mob. 9421774699	
Ref.No.NMV/Sr./J/ <u>3111/2023-24</u>		Date :- <u>23-12/2023</u>
<u>Declaration</u> The information, reports, true copies of the documents, numerical data etc. functional in this file is verified by me and found correct.		
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3.3 Research Publications and Awards

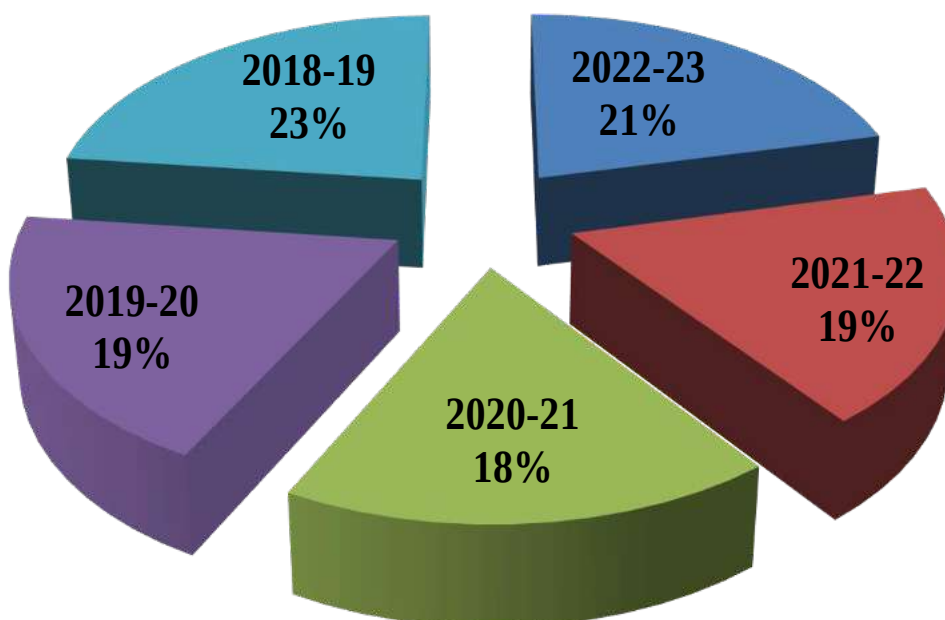
3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years.

Response: 5.7

3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years.

2022-23	2021-22	2020-21	2019-20	2018-19
23	20	19	21	25

Number of research papers published per teacher in the Journals



Year 2018-19

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Research Article

INTERACTING DARK FLUIDS IN BIANCHI TYPE-I UNIVERSE WITH VARIABLE DECELERATION PARAMETER

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Bianchi Type-I universe, variable deceleration parameter, interacting dark fluids cosmology parameter.

ABSTRACT

The present work deals with a Bianchi Type-I universe filled with interacting dark matter and holographic dark energy in the frame of Einstein theory of relativity. To obtain the cosmological solution, we used variable deceleration parameter in the form $q(t) = [\sinh(t)]^2$, where θ and H are constants. The physical and geometrical properties of the model are obtained and discussed in detail.

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INTRODUCTION

The present cosmological of the universe has been well established through numerous and complementary cosmological observations. The recent cosmological observation of type Ia supernovae (SNIa) class of [34], Perlmutter et al. [43] indicates that currently universe is accelerating. When these results combined with the observations of cosmic microwave background (CMB) (Eisenstein et al. [16], Spergel et al. [64]) and also the large scale structure (LSS) (Tegmark et al. [65], [67]), indicates that spatially flat universe is dominated by an exotic component with strong negative pressure called as dark energy (Weinberg [70], Carroll [22], Peebles and Ratra [62], Padmanabha [49]). Many authors have been studied a special class of interacting models in which holographic dark energy is allowed to interact with dark matter (Gang[29], Gong and Zhang[31], Wang et al.[40], Jiaqi and Gao[36]), Guo et al. [31], Bamba et al. [13], Sushida and Perot[52], Sushida[59]. Also Guo et al.[32], have shown that the proposal of interacting dark energy is incompatible with current observations of the SNIa and CMB data.

Bianchi type dark energy models with ideal perfect fluid have been studied by Bamba and Kiese [7], Yadav et al. [73].

Adhav et al. [1], Baha and Vodge [57], recently a Bianchi type-IX minimally interacting holographic dark energy model with linearly varying deceleration parameter in matter region theory of gravitation has been studied by D. K. K. Reddy et al. [52]. A variable holographic dark energy model was constructed by Li [38] by using the principle of general relativity theory. Chaudhri [46] and also recently studied by several authors in particular, Bokey and Bawane [39] have discussed the evolution of holographic dark energy in Bianchi type-I universe with constant deceleration parameter, whereas Singh [40] has investigated holographic dark energy model in Bianchi type-I universe with linearly varying model of universe. Cai Rongchen et al. [21] has showed a model in which phantom dark energy is coupled to dark matter phenomenologically introducing a coupling term to the equations of motion of dark energy and dark matter. Bamba [63] has studied holographic dark energy in flat Friedmann-Robertson-Walker (FRW) universe. Bokey type-V, minima-2, interacting holographic dark energy model in scalar field theory of gravitation has been investigated by Kishor et al. [36]. Adhav et al. [2] have constructed interacting holographic dark energy models in Bianchi type space-time, Baha [49], [60], [61] have studied non interacting holographic dark energy with linearly varying deceleration parameter in Bianchi type-I and V universe and interacting holographic dark energy in Bianchi type-II respectively.

Several candidates for dark energy namely the quintessence scalar field models (Weinberg [72], Bamba et al. [13],

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Interacting Dark Fluid in Kaluza-Klein Universe With Variable Deceleration Parameter in General Relativity

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Abstract:

This paper is devoted to study Kaluza-Klein universe filled with interacting dark matter and holographic dark energy in general relativity. The cosmological solution is obtained by using the variable deceleration parameter in the form $q(t) = [\sinh(t)]^2$, where θ and H are constants. Some physical and geometrical properties of the model are also discussed.

Keywords: Kaluza-Klein space-time; dark matter; holographic dark energy; variable deceleration parameter.

Introduction:

Several cosmological observations indicate that the observable universe is accelerating (Kies et al.1998; Perlmutter et al. 1999; Betset et al. 2003). To address the problem of cosmic acceleration there are two approaches that introducing a dark energy component in the universe or considers modifying the general relativity theory. The earliest modification of Einstein's general relativity, termed as Brans and Dicke (1961) gravity in which a dynamical scalar field besides a gravitational part is introduced to an account for variable gravitational constant. It is introduced due to the lack of compatibility of Einstein's theory with Mach's principle. Later a scalar tensor theory of gravity has introduced by Max Kallistrup (1966) in which a metric is coupled to a scalar field. This coupling gives a satisfactory description of the weak field. A detailed discussion of Brans-Dicke and string cosmological model is contained in the early work of Singh and Agrawal (1991), Shi Ram and Tiwar (1998), D. K. K. Reddy et al. (2006), Adhav, K. S. et al (2007,2008).

The Kaluza (1921) and Klein (1926) introduced a theory to unify Einstein's gravity theory and electromagnetism from Einstein's field equations by adding the fifth dimension. According to Wesson (1984, 1999) and Bellini (2003), the matter is reduced 4-D by 5-D vacuum theory. For studying the cosmology of 5D with pure geometry in non-compact Kaluza-Klein theory. Several relativists have studied Kaluza-Klein cosmological models with different constant (Lima (1988), Chi (1990), Puri (1993), Liu and Wesson (1994), Coley (1994)).

Abstract:

This paper is devoted to study Kaluza-Klein universe filled with interacting dark matter and holographic dark energy in general relativity. The cosmological solution is obtained by using the variable deceleration parameter in the form $q(t) = [\sinh(t)]^2$, where θ and H are constants. Some physical and geometrical properties of the model are also discussed.

Keywords: Kaluza-Klein space-time; dark matter; holographic dark energy; variable deceleration parameter.

Introduction:

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WWW.NMVPJAS

THE STUDY OF TRANSFERENCE NUMBER MEASUREMENTS OF POLY(VINYL ACETATE)/POLYINDOLE COMPOSITE FILMS

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ABSTRACT

In present research paper, the investigation of transference number measurements, poly(vinyl acetate)/polyindole composite films are reported. The prepared composites are subjected to DC conductivity and transference number measurements. The activation energy, electronic band gap energy and transference number measurement values are reported. The value of the ionic transference number is ranges from 98.98–99.17 % reflects that charge transport in the composite film is mostly dominated by ions.

KEYWORDS: Poly(vinyl acetate)/polyindole, composite.

1. INTRODUCTION

The polymers are investigated in various generation such as, polymers (insulator), conducting polymers (semiconductor), copolymers, conducting polymer derivatives, conducting polymer composites, conducting polymer nanocomposites, etc. Moreover, these materials show different properties than basic polymers. The materials as well as synthesis methods could affect the properties. The new generation composite materials have enhanced electrical, optical, mechanical, physical properties as compared to basic conducting polymers. These composite materials have the potential application in various electronic devices. In recent years, polyindole got more research attention as a conducting polymer as well as it shows the more attractive properties as compared to other. Polyindole and its copolymers have lots of potential application in electronic devices [1–11].

Some research were investigated the polyindole via different synthesis methods and studied its various properties. These are: Kanyirica et al. determined the electrokinetic as well as electrochemical properties of poly(vinyl chloride)/polyindole (PVC/PIN) conducting composites [12]. Gao et al. fabricated polyindole as well as polyindole nanostructures [13]. Iishi et al. synthesized gold nano assemblies in polyindole matrix using two phase oxidative polymerization of indole using HAuCl₄ as the oxidizing agent at the aqueous (0.1M HCl)/chloroform interface [14]. Zhuang et al. investigated the electrochromism of the polyindole film doped with a Li ionic salt for use as a cathode electrode [15].

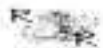
The goal of the reported paper is to investigate the transference number measurements of develop poly(vinyl acetate)/polyindole composite films via chemical polymerization. Moreover, examination of the activation energy, electronic band gap energy and transference number measurements of prepared composite materials. The electronic band gap of developed composites can confirm the semiconducting nature. The determination of transference number measurements could be reflects the effect of ions and electrons on the conductivity of composite film.

2. EXPERIMENTAL

All prepared and used chemicals were analytical grade (AR). Moreover, indole as monomer, ferric chloride (FeCl₃) used as oxidizing agent, methanol used as organic media (solvent) and all were purchased

Recent Advances in Nanotechnology

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REVIEW OF RESEARCH

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COMPARISON OF OPTICAL PROPERTIES OF POLY(VINYL ACETATE)/POLYINDOLE COMPOSITE FILM PREPARED USING DIFFERENT OXIDANT

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*Arts, Science and Commerce College, Chikhaldara, 444607, Maharashtra, India.
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ABSTRACT

In present research paper, comparison of optical properties of poly(vinyl acetate)/polyindole composite films prepared using different oxidants via chemical oxidative polymerization method. The developed composites films were characterized via ultraviolet-visible (UV-Vis) and X-ray diffraction (XRD) technique. The XRD pattern of composite represents the semi crystalline nature of the prepared materials. The UV-Vis spectra of composite films developed through oxidant ferric chloride has higher optical energy band gap as compared to via chromium chloride. The optical band gap energy represents the application potential in optical devices.

KEYWORDS: Poly(vinyl acetate)/polyindole, composite, optical, band gap.

1. INTRODUCTION

The polymers are generally known as insulator. The worldwide use of polymers as insulating material is at large scale. Recently, the new trend is emerged to prepare the conducting polymers rather than the traditional polymers (insulating materials). The conducting polymers like polyaniline, polypyrrole, polyniropene, polyindole are synthesized and modified in last few decades. Moreover, the derivatives, co-polymers, composites and nanocomposites of conducting polymers are developed through different synthesis methods in recent years. Also, there various properties are widely studied like, electrical properties, optical properties, thermal properties and sensing properties on the basis of their application point of view. The polyindole is a newest and least investigated conducting polymer as compared to other. Therefore, polyindole got more research interest than other in last few years. Polyindole is prepared via various synthesizing techniques and represents the remarkable application potential in various fields [1–16].

Some researchers were reported the their work on synthesis and application of PIN, its copolymers and composites with various polymerization technique like, Gribbani et al. synthesized polyindole nanowires by oxidative polymerization and studied electrochemical properties [17]. Bhagat et al. reports the UV-Vis spectroscopic studies of solvent free synthesized polyindole/poly(vinyl acetate) (PIN/PVAc) composite film chemically using an oxidant nickel nitrate [18]. Gupta et al. reported interfacial synthesis as well as miscible solvent aqueous phase synthesis of polyindole moreover development of polyindole microsphere and nanorods [19]. Saei et al. synthesized polyindole (PIN) and polyindole/polyethylene (PIN/PE) conducting composites, having different amounts of PIN by chemical polymerization using FeCl₃ as an oxidant and taking the ratio of salt/monomer. Moreover, studied conductivity, sedimentation stabilities, ER properties as well as creep-recovery response of the prepared materials [20]. Bhagat et al. investigated optical parameters and thermal analysis of Cu doped poly(vinyl acetate)/polyindole composites using ferric chloride as an oxidant [21]. An et al. reported a comparative study of the microemulsions as well as interfacial polymerization for polyindole [22].

Recent Advances in Nanotechnology

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Investigation for Optical Band Gap Energy of Polyindole/Poly(Vinyl Acetate) Composite Film

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²Nehru College, Nerparsoant, 445102, Maharashtra, India.
^{*}Corresponding author: bhagatd@rediffmail.com

Abstract:
 In present paper, optical properties of polyindole/poly(vinyl acetate) (PIN/PVAc) composite film are presented. The produced composite film was characterized through UV-Visible (UV-Vis) spectroscopy and X-ray diffraction (XRD). The polymer chain separation was calculated using XRD analysis. The value of optical band gap energy of PIN/PVAc composite film is calculated as 2.29 eV. The semiconducting nature of composite film reflects from optical band gap value.

Keywords: Polyindole/poly(vinyl acetate); composite; optical; band gap.

Introduction
 Recently, polyaniline, polythiophene, polyphenylene, polypyrrole are the conducting polymers which has incredible research attention in the field of progress due to their flexibility of their industrial applications. The conducting polymer composites are most useful materials due to their optical and electrical properties. Nowadays, these materials are used in various applications like photoresist, anticorrosion materials, super capacitors, fuel cells, polymer light emitting diodes, electrochemical displays devices, electronic devices, rechargeable battery materials, solar cells and various optical devices and etc. The application potential of conducting polymer composites in electronic devices is produces the attention of most of the researchers towards [1]-[11].

Nevertheless, the polyindole (PIN) and its composites are turn into growing class of conducting polymers that have nicely selective mechanical, optical and electrical properties. These properties could be modified for precise applications [12,13]. With this particular endeavour lots of researchers have made their contribution to the field like Ramezan et al. presented preparation and characterization of PIN/copper sulphide nanocomposites [14]. Taken et al. studied the utilization of polyindole for copper corrosion protection [15]. Tayanian et al. synthesized the conducting poly(vinyl chloride)/polyindole composites and free-standing films through chemical polymerization [16].

The present research paper reports the optical band gap investigation of polyindole/poly(vinyl acetate) (PIN/PVAc) composite film. As-prepared composite film was characterized through X-ray diffraction (XRD) technique and ultraviolet-visible (UV-Vis) spectroscopy.

Experimental
 All chemicals used in this study were of AR grade and purchased from SD Fine Chemicals, India, such as monomer indole, oxidant cupric chloride (CuCl₂), organic media methanol, Poly(vinyl acetate) (PVAc) (Himedia Chemicals, India) used as counter polymer.

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Comparison Between Electronic and Optical Band Gap Polyindole/Poly(Vinyl Acetate) Composite

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^{*}Corresponding author: bhagatd@rediffmail.com

Abstract
 In present research work, comparison between electronic and optical band gap of polyindole/poly(vinyl acetate) (PIN/PVAc) composite are reported. The synthesized composite was analyzed via DC conductivity measurement and UV-Visible spectroscopy. The value of DC conductivity primarily increases and reaches to 1.89×10^{-4} S/cm at 383 K. The value of electronic and optical band gap of composite is established as 2.831 eV and 3.81 eV respectively. The semiconducting nature of PIN/PVAc composite reflects from electronic and optical band gap and Arrhenius behaviour of DC plot.

Keywords: Polyindole/poly(vinyl acetate); composite; electronic; optical; band gap.

Introduction
 Conducting polymer composites develop into the novel and attractive group of materials due to their superior properties. They have fascinated a lot concern due to its unique optical and electrical properties in addition to its superior thermal stability. Polyindole has received excellent research interest because of its close structural similarities with both polyaniline and polypyrrole. Also, due to its extraordinary conduction mechanism and environment stability as compared to other conducting polymers [1-7]. Some researchers were given so much attention for synthesizing the polyindole composite materials due to its amazing properties. Researchers such as Koyuncu et al. studied the opportunity of preparing a colloidal steady poly(vinyl chloride)/polyindole EB active composite system [8]. Sari et al. presented preparation, characterization, ER and creep-recovery properties of polyindole/polyethylene composites [9].

This research paper gives the information about the comparison between electronic and optical band gap of polyindole/poly(vinyl acetate) (PIN/PVAc) composite which is chemically prepared using ferric chloride as an oxidant. As-synthesized composite was characterized through DC conductivity measurement technique and ultraviolet-visible (UV-Vis) spectroscopy.

Experimental
 All chemicals used in this research were of AR grade and procured from SD Fine Chemicals, India, like as monomer indole, oxidant ferric chloride (FeCl₃), organic media methanol, poly(vinyl acetate) (PVAc) (Himedia Chemicals, India) used as counter polymer. The polyindole/poly(vinyl acetate) (PIN/PVAc) composite was synthesized through chemical polymerization route using oxidant FeCl₃. Poly(vinyl acetate) (1 g) was dissolved in methanol (50 ml) and stirred 2 h then kept solution for 24 h to get homogeneous solution. The monomer indole (0.5 g) was added in PVAc solution and stirred for 2 h. The indole was chemically polymerized using oxidizing agent FeCl₃ (0.1997 g) and stirred it for 2 hr to complete polymerization process. Then reaction mixture was kept for 60 min to settle down. Then composite solution was poured

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EFFECT OF YOGIC PRACTICES ON BEHAVIOUR PATTERN OF PRISONERS : A STUDY

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Note : This paper is being prepared from the result of Major Research Project which was submitted to UGC, New Delhi by Dr. Arun Khodaskar under the category of Professor of Emeritus in the year 2011 - 14.

Abstract

The present study focused upon effect of Yogic Practices on Behaviour pattern of Prisoners : A Study. The efficiency of yogic practices for prison inmate to attain the control over the anxiety, aggression and impulsiveness. The male prisoners ($N = 200$) of Amravati District Central Jail Amravati, M.S. The delimitation of the study who were charged with murder under Indian Penal Code 302 and who spent at least one year in jail were selected convenient samples. The subjects were divided into 2 equal groups on the basis of a pre-test. Psychological test was conducted on both groups to know present status of psyche and also biofeedback test randomly selected 20 prisoners from each group were tested on EEG in this phase. The experimental group participated in six months yogic training programme. To determine the significant difference 't'-test was employed and level was 0.05. The result of the study revealed that, insignificant difference observed between Pre and Post test for Control group. Significant difference found between Pre and Post test for Experimental group Aggression (3.529), Anxiety (8.122), Impulsiveness (7.078), also Significant difference found in Post-test between Control and Experimental groups Aggression (4.927), Anxiety (5.439), Impulsiveness (6.933) which are quite greater than tabulated 't' value. Hence it was concluded that, the experimental group reported decrease in the impulsiveness, aggression and anxiety. Also increasing feelings of positive emotions such as, hopefulness, self control, conformity, compassion, and mental peace after doing yoga training.

Keywords: Prisoners, Anxiety, Aggression, Impulsiveness, Central Jail

VIII, ISSUE - I - JANUARY - MARCH 2019
A - ISSN 2277 - 5749 - IMPACT FACTOR - 5.5 (www.gjfactor.com)

4. Goods and Service Tax: Game Changer for India's Economy

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Nehru Mahavidyalaya Nerparsopant, Dist. Yavatmal

Introduction

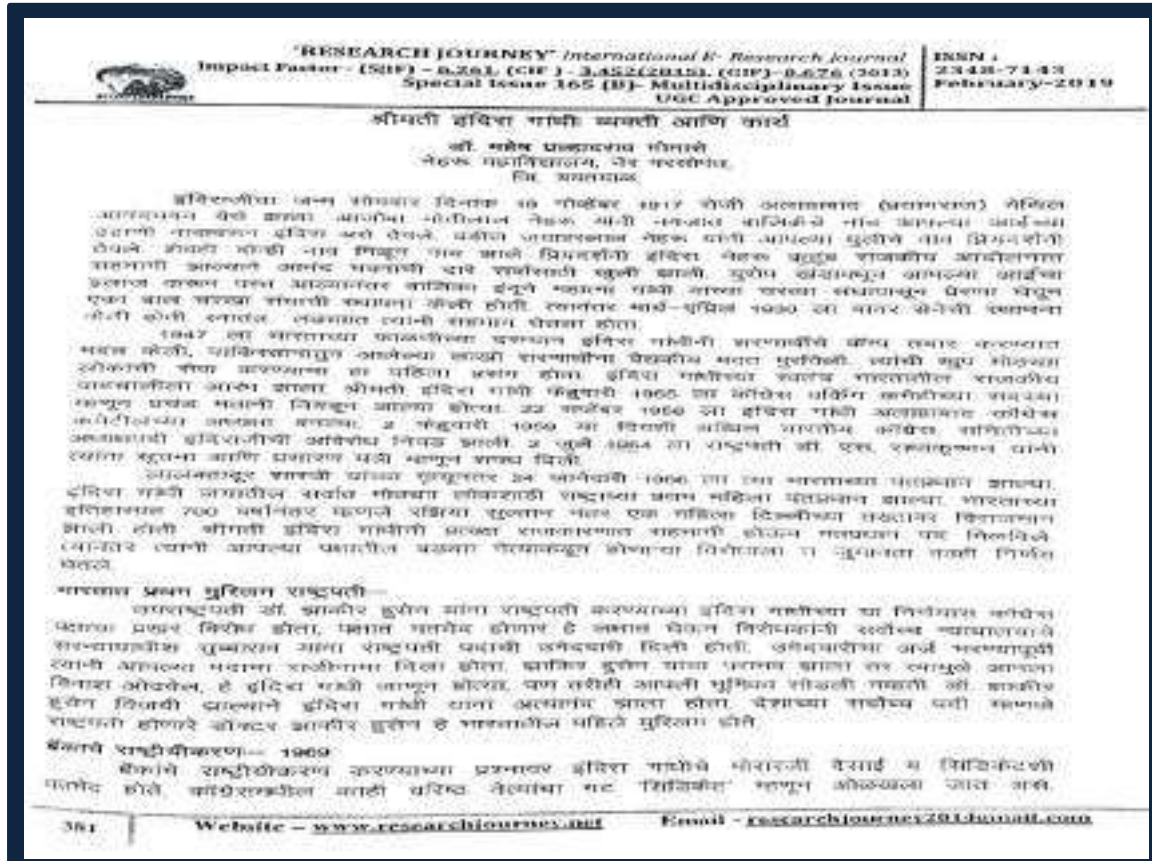
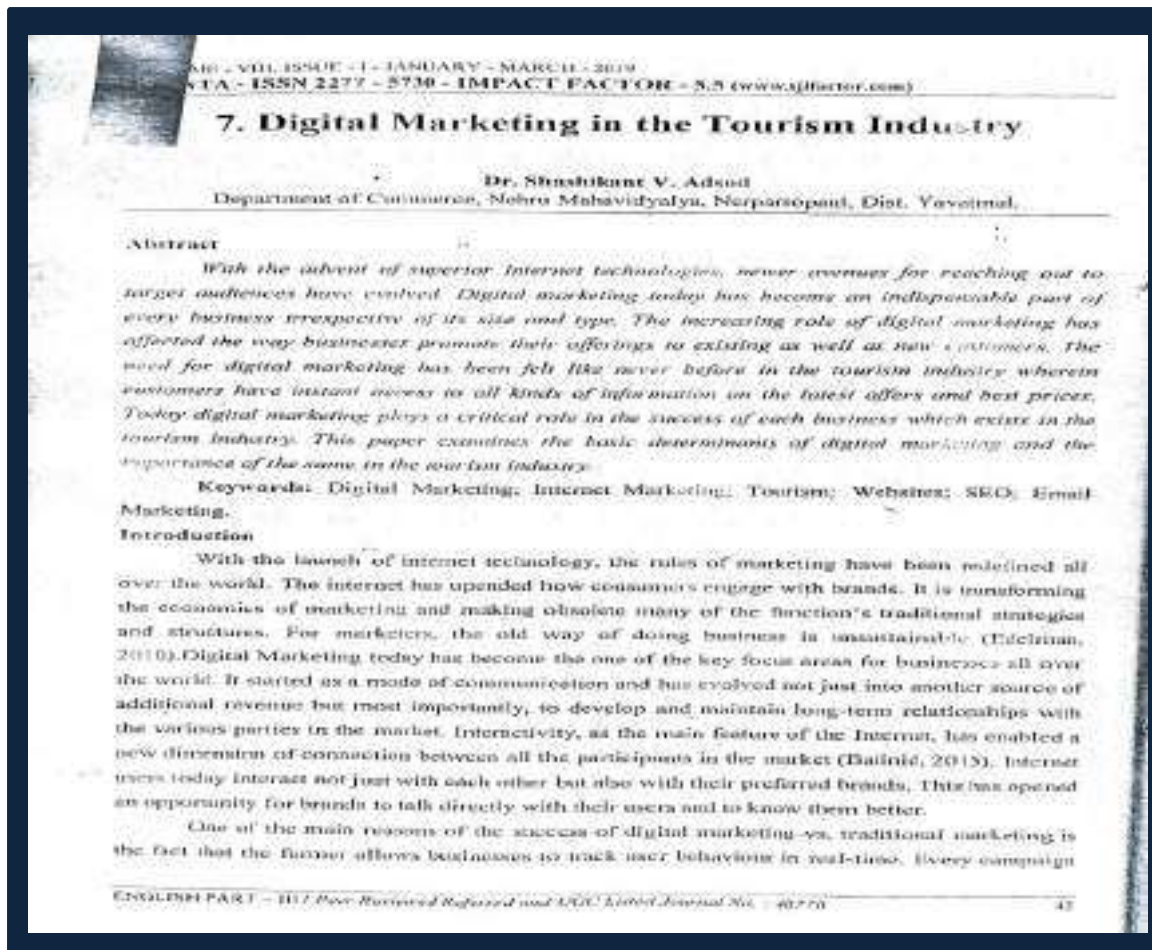
Tax reforms are an integral part of the development process of any country. Developed countries such as UK and US too undertook reforms in the last few years. India is no exception to tax reforms. The passage of the Constitutional Amendment Bill as well as release of the Model GST laws indicates the determination of the government to implement GST at the earliest. In order to make India a manufacturing hub, it is imperative that the foreign investor companies find it conducive to do business here. One of the major impediments to a smooth business, especially in the manufacturing sector is the uncertain and unpredictable indirect tax regime. The One Hundred and First Amendment of the Constitution of India, officially known as The Constitution (One Hundred and First Amendment) Act, 2016, introduced a national Goods and Services Tax in India from 1 April 2017. The GST is a Value added Tax (VAT) and proposed to be a comprehensive indirect tax levy on manufacture, sale and consumption of goods as well as services at the national level. It will replace all indirect taxes levied on goods and services by the Indian Central and State governments. It is aimed at being comprehensive for most goods and services.

Legislative History Of GST

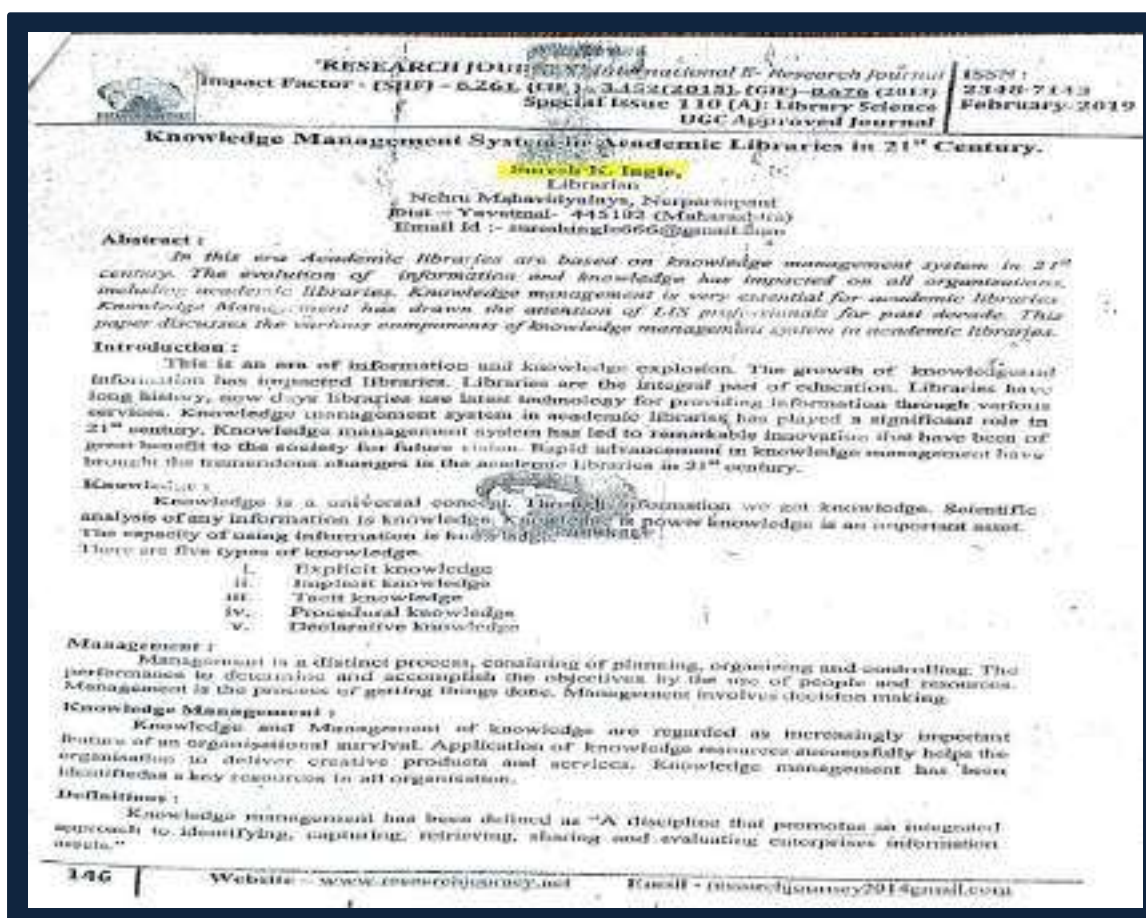
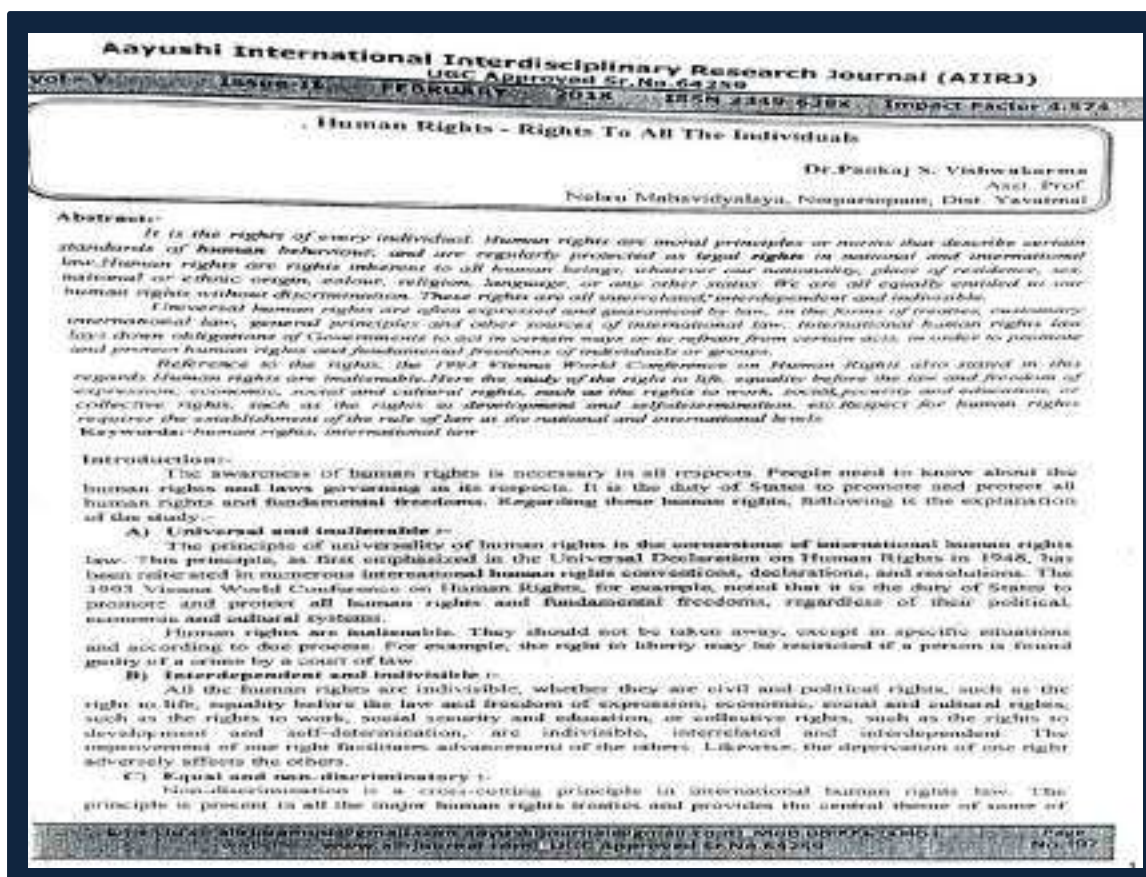
The Constitution (One Hundred and Twenty-Second Amendment) Bill, 2014 was introduced in the Lok Sabha by Finance Minister Arun Jaitley on 19 December 2014, and passed by the House on 6 May 2015. In the Rajya Sabha, the bill was referred to a Select Committee on 14 May 2015. The Select Committee of the Rajya Sabha submitted its report on the bill on 2 July 2015. The bill was passed by the Rajya Sabha on 3 August 2016, and the amended bill was passed by the Lok Sabha on 8 August 2016.

Objective

1. The single most critical tax reform that stands out is the Goods and Services Tax (GST).



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9. Promotion of Yoga on International Level

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Abstract

Holistic understanding of yoga is essential to comprehend contemporary yoga as world phenomenon. Needless to say India is the heritage of Contemporary yoga what world knows today. Study is based on secondary sources of information. Early form of yoga originated in different places in different times and obviously in different forms relating to religion. At present what we mean by yoga had spread from Indian philosophy. Earlier spirituality was the prime concern of practising yoga but in recent time it is mainly practiced for wellbeing. Yoga has taken access in clinical setting for its enormous health benefits. It is now close to trillion dollar industry globally. USA makes highest turnover from yoga industry where as India is sharing a small pie of it. This industry is growing so fast. Special attention is needed to keep growing this industry. After the declaration International Yoga Day by the United Nation (UN) popularity of yoga amplified globally. Yoga also has been facing obstacle by the different orthodox and political groups in some countries in the pace of its rise. The Ministry of AYUSH, India has been taking various steps and initiatives to cope with the upcoming demands of yoga. Yoga is more familiar in urban people and women are more enthusiastic than the men. It is the means by which poorest of the poor can take benefit and enjoy physical and mental health.

Keywords: yoga, development, awareness, rise, yoga industry.

Introduction

Now the word "Yoga" is not preserved only in Veda and practiced only by the Sages to achieve spirituality. Yoga is now global discipline. At present, in the competitive and stressful world popularity of yoga is sharply increasing. Due to quick global urbanization and excessive stressful phenomenon of the society people are suffering more despises related to lack of movement and stress. Various forms of yoga including asana, breathing exercises and meditation are more accepted to the wellness seeking population. This study will provide a precise idea about understanding of origin, development, awareness level and rise of yoga globally. Numbers of fitness conscious persons are increasing as the economy is strengthening and escalating. As a

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Review and Excerpts from the Article
"Comparative Effect of Yogic Practices and Walking Exercises
over Health Related Physical Fitness among Students"
Dr. Vasistha Arun Khodaskar

Introduction

According to contemporary research, health related physical fitness is very essential and considered a basic need. It is also related to the ability of meeting the demands of the environment specifically to preserve oneself, withstand stress, to resist fatigue and to possess the energy for exuberance in life. In a series of studies, the researcher has found that health related physical fitness could be enhanced in Yogic practices and walking exercise program by improving and developing a daily routine of activities. Additionally previous research done related to this study (T.A. Barton 1963), (M. D. Pollock 1974), (R. D. Glenn 1980), (S. J. Steven 1987), (I. K. Sera 2002), (S. K. Ghosh 2002) also investigated the effects of yogic practices and walking exercises on health related physical fitness improves.

The purpose of this study was to find the comparative effect of yogic practices and walking

exercises on health related physical fitness. 60 males, age ranging from 18 to 20 years, students from B.Com of Nehru Mahavidyalaya, Nerparsopant, Dist. Yavatmal were taken as participants in this study. The hypothesis being tested was that there would be no significant difference in HRRF components of Yogic practices and walking exercises. Data was measured across three homogenous equal groups (A- Yogic practices), (B- walking exercises) and (C- control group).

The study compared the pre and post exercises standard of health related physical fitness. Cardiovascular efficiency, muscular strength and endurance, flexibility and body composition were the delimited variables.

Criterion measures and tools used

Cardiovascular endurance was assessed with the help of field events i.e. 12 min run-walk test and the scores were recorded in nearest 0.5 meter.

[illegible][illegible]

“ही वाचकांमध्ये अधिकारकारी सामाजिक, आर्थिक, राजकीय, धार्मिक, संस्कृतिक वित्त आणखी अवैधकारकांचा होय. सामाजिक वाचकांची भूमिका हा अधिकारवादाचाच मार्ग होय. प्रामुख्याने अधिकारकारांनी स्वतःची अवितरित वेगळे मुखमार्ग होऊ शकत नाही. ही प्रवृत्तीच सामान्यतः गुणवत्ता, ‘अधिकारवादाची’ कवितेची ही मार्गदर्शक भूमिका घेत नाते. ही चित्रांगीशरण, चित्रांगवाणी नाही तिचे रच्ये कोणते हे मान्यत्वाची कविते, सामान्यतःच अधिकारी, मजले – विमुक्त, मुक्ती, लेखी, दाखवी, विचारण, पुढिल्ले दलित, रंजने – मजले म्हणजेही असेही साधन गुणवत्ता वाचकांची फक्त सामाजी अधिकारवादा कविते करते.” अधिकारवादाची कविते वाचका, वाचक, वाचक, वाचक, ही भूमिका प्रभावित करते. मान्यतेची प्रभावित करते. अभावलेख्य कोणत्याही प्रकारची प्रभावित करते.

[illegible]

8550. 1954. 748. *Compositae*. *Subura Schizanthoides*, *Megastyles*, *Phacelia*, *Escallonia*.

3. *cashless society*: describes an economic state wherein financial transactions are not indicated with coins in the form of physical banknotes or coins, but rather through the transfer of digital information, usually in electronic representations of money, between the transacting parties.

India is moving towards a digital revolution. The transition while daunting has been made possible in a short time. Not demoralization, there has been a frenzy in the minds of the general public with regards to the whole digitization process. To encourage the public to come onboard the digital transactions bandwagon, the government has come up with a slew of incentives, initiatives, and freedom. But there still exist hoards of skeptics who still doubt the digital transactions and payments system. There are number of benefits of cashless transactions.

Countries like Denmark and Norway support the adoption of childcare payments, too. The education standards are higher in Scandinavia (the first childcare country is Sweden).

B. Environmental Discharge and Emissions

A cashless society depends on economic place whereby financial transactions are conducted with money.

For instance, in Denmark and Norway, too, the adoption of cashless payments, but the less confident country is Sweden.

Another contender for the first e-money country in the world is in China. The Chinese have largely adopted mobile credit-unit adoption and have almost embraced QR codes. The main players are Alipay's Alipay, and WeChat, owned by Tencent, and has also been taken up by China UnionPay, what were the main providers of debit cards before the mass adoption of mobile payments.

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5. A Skill Development - A Step towards Kaushal Bharat

Dr. P. S. Vishwakarma

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Abstract

As we know that skill India is an initiative of the Government of India. It has been launched to empower the youth of the country with skill sets. The reason behind it to make youth more employable and more productive in their work environment.

Today India is one of the youngest Nation in the world with more than 62% of its population in working age group (i.e. 15-59 years). So, in future India played the major role in building workforce.

As we know that the youth build the nation. Today's youth believe in the "Power of Knowledge, Power of Skill". But in the previous age youth practices in Morcha, Dharne Andolane, etc.

There are number of fellowship, internship is available to enter the youth in the public sector.

In the era of Skill India, the country's largest think tank - NITI Aayog (National Institute for Transforming India) played the crucial role. The present government is trying to establishing 'Kaushal Kendra', all over the country. The aim behind this is to provide the skill based knowledge to the youth of the country. In this manner the employability get enhanced.

This result into increase in employability, development of skill based knowledge among youth, and prepared the well groomed educated people and post graduate individuals.

NSDC is a unique model created with a well thought through underlying philosophy based on the following pillars:

1. Create: quality vocational training institutions.
2. Fund: generate grants and equity.
3. Enable: support systems required for skill development.

Keywords: Skill, NITI, education.

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Environment, Pollution and Pollution Control

Dr. P. S. Vishwakarma

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Abstract

An ecosystem (also called as environment) is a natural unit consisting of all plants, animals and micro-organisms (biotic factors) in an area functioning together with all of the non-living physical (abiotic) factors of the environment.

Environment is everything that is around us. In biology and ecology, the environment is all of the natural materials and living things, including sunlight. If those things are natural, it is a natural environment. Environment includes the living and non-living things that an organism interacts with, or has an effect on it. Living elements that an organism interacts with are known as biotic elements: animals, plants, etc.

Environment: Pollution is the introduction of contaminants into the natural environment that cause adverse change. Pollution can take the form of chemical substances or energy, such as noise, heat or light. Pollutants, the components of pollution, can be either foreign substances/energies or naturally occurring contaminants.

The major forms of pollution are: 1] Air pollution, 2] Light pollution, 3] Littering, 4] Noise pollution, 5] Plastic pollution, 6] Soil contamination, 7] Radioactive contamination.

Keywords: Environment, Pollution, Pollutants

Introduction

Environment is everything that is around us. It is made up of living or non-living things (Physical, chemical and other natural forces). Living things live in their environment. They constantly interact with it and adapt themselves to conditions in their environment. In the environment there are different interactions between animals, plants, insects, soil, water, and other living and non-living things.

While studying the environment it also includes Electromagnetic environment which is radio waves and other electromagnetic radiation and magnetic fields. The abiotic environment refers to conditions between the stars.

Considering the psychology and medicine field, environment is the people, physical things and places that the person lives with. The environment affects the growth and development of the person. Environment directly affects behaviour, body, mind and heart of the person.

Now we study about the natural environment which makes

The environment is all of the natural materials and living things, including sunlight. If those things are natural, it is a natural environment. Environment includes the living and non-living things, or has an effect on it. Living elements that an organism interacts with are known as biotic elements: animals, plants, etc., abiotic elements are non-living which include air, water, sunlight etc.

For ex. interactions between non-living and living things is plants getting their minerals from the soil and making food using sunlight. Predation, an organism eating another, is an example of interaction between living things.

Things in the natural environment that we value are called natural resources. For example: fish, sunlight, and forests. These are renewable resources because they are back naturally when we use them. Non-renewable resources are important things in the environment that are limited for example, oil and fossil fuels. Some things in the natural environment can kill people, such as lightning.

Ecological units which includes all vegetation, microorganisms, soil, rocks, atmosphere, and natural events.

Universal natural resources which includes climate, air, water, energy, radiation, electric charge, and magnetism.

In fact, it is necessary to understand that why environmental pollution occurs? Environmental pollution means when pollutants contaminate the natural surroundings. Pollution disturbs the balance of our ecosystems. Pollution has reached its peak due to the development and modernization in our lives.

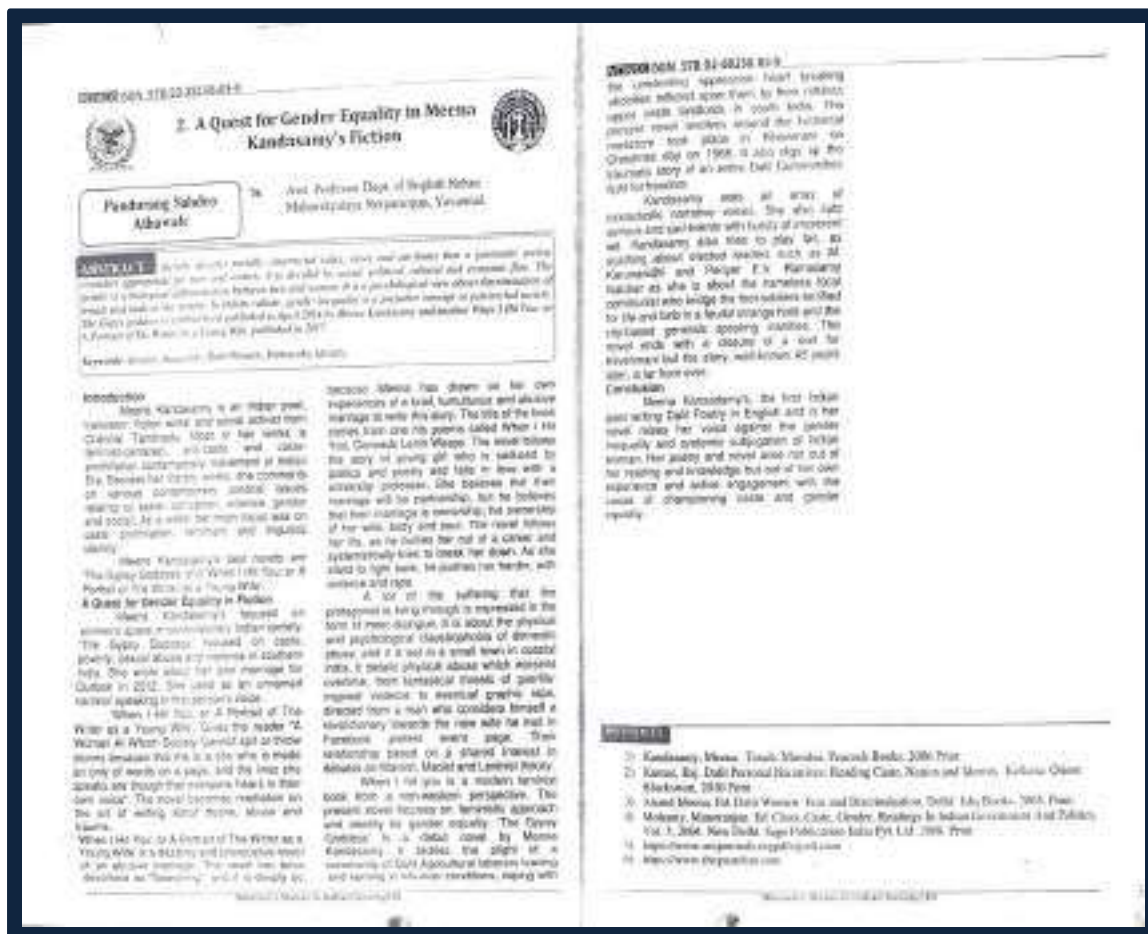
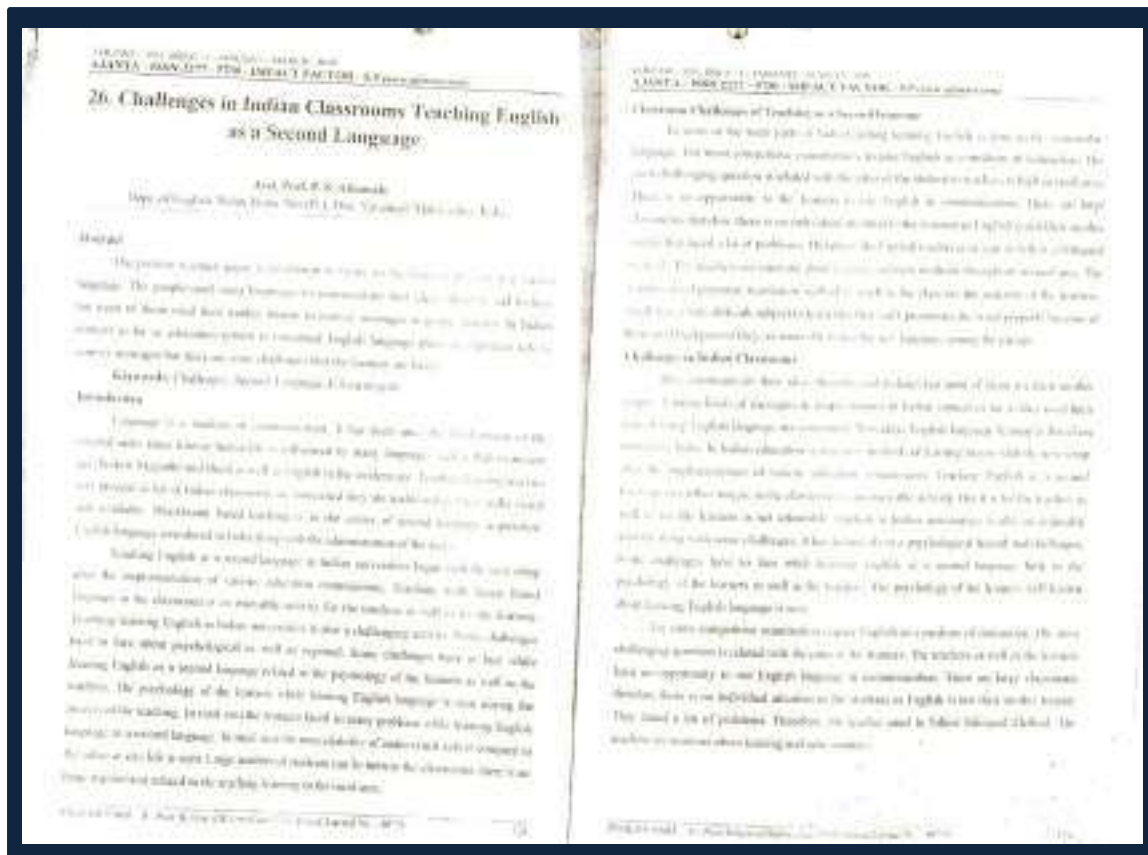
Environmental Pollution

Pollution is the introduction of contaminants into the natural environment that cause adverse change. Pollutants, the components of pollution, can be either foreign substances/energies or naturally occurring contaminants.

Pollution is the introduction of contaminants into the natural environment that cause adverse change. Pollution can take the form of chemical substances or energy, such as noise, heat or light. Pollutants, the components of pollution, can be either foreign substances/energies or naturally occurring contaminants. Pollution is often viewed as point-source or non-point-source pollution. In 2013, pollution killed 9 million people in the world.

Researcher: FRABIAN PUBLICATIONS

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Abstract

The present study deals with spatially homogeneous and anisotropic Bianchi Type-V universe filled with interacting dark matter and holographic dark energy. The exact solutions of Einstein's equations are obtained by using the variable deceleration parameter in the form $q(x) = (\sinh(x))^{-\frac{1}{\alpha}}$ (Chouda *et al.* (11)). The physical properties of the model are obtained and discussed in detail.

Subjective Appraisal

Modern Physics, Theoretical Physics

Keywords

Blanchi Type-V Universes, Holographic Dark Energy, Interacting Dark Fluids, Variable Dissipation Parameter

3. Testreue und Score

The second remarkable cosmological observations from high red shift galaxies (SNIa) (Perlmutter *et al.* [2] [3], Riess *et al.* [4] [5], Avignone *et al.* [6], Spengler *et al.* [7], Davis *et al.* [8]) indicate that our universe is accelerating and confirmed later by cross-checks from cosmic microwave background (Mannuzi *et al.* [9], Spergel *et al.* [10]) and large scale structure (Viana *et al.* [11], Hinshaw *et al.* [12], Abazajian *et al.* [13] [14] [15], Tegmark *et al.* [16]). It suggests that the universe is spatially flat and dominated by exotic component with torus

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भारतातील पर्यटन उद्योग : एक उत्कृष्ट सेवा क्षेत्र
डॉ. शाश्वत जी. अहसीड
महाराष्ट्र राज्यापालक, वेरुळीपट्टन, वि. राजगंगाळ

[illegible][illegible][illegible][illegible]



Agri-Tourism in India : The Development of Rural Area

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Abstract :-

Agri-tourism is a concept of developing and preparing villagers for creating an alternative source of earning and sustaining their livelihoods. This kind of tourism develops where agricultural activities and tourist interests. It involves various agricultural activities, animal rides and stay at rural surroundings with natural and fresh cuisines. Basically it develops as a niche tourism in different parts of world. It could be a source of developing rural areas of developing countries like India.

The study makes an attempt to assess the impact of agri-tourism on economic life of farmers in rural areas. The study indicates that agri-tourism may be a source of additional income for farmers. Farmers are now-a-days facing more problems for maintaining their livelihood because agricultural productions in India are fluctuating for monsoon. Therefore they need source of additional income and in this case agri-tourism may be the possible alternative. Agri-tourism helps for increasing interaction between rural and urban peoples. Agri-tourism involvement in agricultural operations creates joyful experience to the tourist. Agri-tourism could create awareness about rural life and knowledge about agriculture science among urban school children. Thus, the paper suggests that the agri-tourism has the capacity for creating income opportunity for farmers and shows new path for rural development.

Key word :- Agri-tourism, Rural Development, Indian Economy.

Introduction :-

Leisure and tourism came into being as a dimension of life in the 19th and 20th century. Tourism is one of the growth sectors of the global economy. Nature-based tourism encompasses a broad spectrum of activities and experiences. Agri-tourism is a new concept in India.

Agriculture is the backbone of most developing economies, particularly India. Green revolution and smaller plot holdings as witnessed by the Asian countries has led to rapid forward strides being made in the agriculture in the last few years. In spite of this India faces several challenges arising from socio-economic, demographic and institutional factors that affect its basic survival. In India, 85% of the population is directly or indirectly dependent upon agriculture and a vast majority is based in the rural belt. Tourism is a very significant contributor to the GDP of any country and is a crucial tool for employment generation. Poverty alleviation and sustainable rural development, India basically being a rural economy, rural tourism and agri-tourism hold an important place in facilitating development.

Agri-Tourism is based on agricultural activity. Tourism is termed as an instrument for employment generation, poverty alleviation and sustainable human development. The growth of agri-tourism is not phenomenon unique to India. Agri-tourism activities can create positive interaction between non-farmers and farmers and raise awareness about agriculture. This understanding ultimately benefits farmers because it may help reduce risk to farm conflicts and garner public support for farm retention policies. In India there are many departments and agencies are working for developing agri-tourism like as, Indian Institute of Tourism and Travel Management, Tourism Development Corporations, Travel Agencies Association of India, Indian Association of Tour Operators, Indian convention promotion bureau and Pacific Asia Travel Association. Agriculture Promotion of Agri-tourism involves some more important stakeholders namely Ministry of and line departments at state and central governments and farmers. Promotion of Agri-Tourism needs conceptual convergence with Rural Tourism, Eco-Tourism, Health Tourism, Adventure Tourism and culinary adventures. Agri-Tourism is however not all about staying in a village and relishing the food. It is an opportunity to be close to where the 75% of Indians live.

What is Agri-tourism?
Agri-tourism is vaguely referred to as "agricultural tourism," "agri-tainment," "farm recreation," "entertainment agri-tourism," and other rubrics. While there is no universal definition of agri-tourism, there is relative consistency in the view that the term comprises a wide range of on-farm

EDUCATIONAL STRESS AND ITS MANAGEMENT THROUGH YOGA

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ABSTRACT

Heavy curriculum, tremendous competition in getting admission in the reputed schools and colleges and unemployment are main causes of stress for students. Generally students suffer from stress from eight nine standard onwards much. Because they have to face the board exams, as they feel heavy tension and also the parents expect a lot from them. Stress is a psycho-physiological response of the body to internal or external stimuli. There can be both positive and negative effect of stress. Positive stress or eustress is useful to increase working capacity or performance and others or negative stress affects might be result in depression. Medical science has recognized stress as one of the biggest and silent killer. Hypertension, Diabetes, heart problems, Asthma, Ulcer, Inversus, Abnormal problems, Migraine, Headache etc. These are the stress-induced diseases. Yoga helps to reduce the stress of the students and build-up their psycho-physical resistance and useful to develop emotional and brain balance. Therefore that, Practices should be made mandatory or least from the standard of eight onwards.

Key words: Stress, anxiety, psycho-physiological, Yoga Science.

INTRODUCTION

Students under Stress

Heavy curriculum, tremendous competition in getting admission in the reputed school-colleges and unemployment are main causes of stress for students. Also there is competition among the students for getting a good job. Generally students suffer from eight nine standard onwards much. Because they have to face the board exams, as they feel heavy tension. And the parents expect a lot from them.

After obtaining higher education is not sure to get desirable job this may also one of the reason of stress. And that stress is generally seen or felt on the students till they get a good and desirable job. Students, Parents, Schools, Colleges, Authorities are suffering more or less by educational stress.

Parents under Stress

Child birth is one of the happier moment of event in every parent's life. But as the child grows, their stress, tension and worries also increases regarding the child's education. Educational institutions and teachers feel under the stress.

Concept of Stress

Stress is a psycho-physiological response of the body to internal or external stimuli.

- Stress is a biological root, part of daily life.
- Stress is a by-product of pressures, changes demands and challenges that we face each day.
- There can be both positive and negative effect of stress. A positive effect might be result in an effort to "psych up" for a game and thus performs better. A negative effect might be result in depression.
- After and later the author of book that stress is bad say that each person is experienced with the stress of stress. That is in the movement of existence. Stress can be good or bad.

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ABSTRACT

ABSTRACT Sport and exercise sciences like most areas of life have been affected greatly by technological advancements. It is difficult to imagine modern sports and various self-disciplines of exercise science without technology. The use of technology is, without exception, tainted with frustration and ambivalences. Paradoxically, it is the omnipresence of technology that has contributed most to people's inability to fully grasp the scope and depth of its influence and also unconsciously as to what role various technological advancements play in sports. Indeed, the influx of sport technologies has profoundly changed the landscape of sport and exercise science. Importantly, technology has in many ways changed what we think of as the athletic body. In this paper, we attempt to examine the impact of technology on sports performance and understand the theories of technology and sport for improved technology or sports performance. We also discuss the theories of technology and sport for improved technology or sports performance. It is recommended that those managing, handling and using sport must be equipped to make wise choices on the type and use of sport technologies that would assist in the right performance.

performance.
 Topics: 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

KEY WORDS: POSTNATAL GROWTH; INTRAPARTUM ASPHXIA; INTRACRANIAL HEMORRHAGE; INTRACRANIAL HEMATOMA; INTRACRANIAL HEMORRHAGE; INTRACRANIAL HEMATOMA

INTRODUCTION

Technology is changing the face of modern sports, sports psychology and coaching. State-of-the-art technologies are used to optimize performance in sports as diverse as cycling, speed skating, the art of swimming, golf, tennis, football/basketball, tennis racket and ball, running, facilities and many more. Technology in sport today is found in countless forms with each innovation has potentially positive and beneficial outcomes. Understanding the implications of sport technologies through not involve basic technology used in classifying.

Basically, there is a total of six categories of sport technologies which can be classified into three main categories: self-technologies, rehabilitative technologies, landscape technologies, movement technologies, implement technologies and database technologies. While some of the technologies help to obtain a better perspective on which technological options athletes eventually have access to and impact on performance.

Types of Sport Technologies

Types of Sport Technology

Self-Technologies
This represents the most obvious and disturbing for many people form of technology due to the potential of fundamentally and often permanently altering an athlete's physical or psychological being/make-up. Desired performance-enhancing traits are the most recognizable of these technologies, being/make-up. Desired performance-enhancing traits are the most recognizable of these technologies. Self-technologies encompass either the use of biological innovations, of which are also controversial. Others include surgical procedures, prosthetic/atomic limbs, sport psychological interventions and genetic engineering. They are classified as self-technologies. The presence of certain self-technologies in sport can be seen as future such as bionic prostheses (as used by Oscar Pistorius). Scientists working on muscle-building viruses derived from 6 engineering genes already recognized the implications of their work for sport. Thus, the genetic alteration of athletes or gene doping is a human genome projects to reap all the genes in the human body, which can increase the muscle mass. Although it is unclear whether the long term effects are safe or not. Under the name of this work, the technology is ethically neutral. It is neither good nor bad in itself. Rather, it is the use of this technology for purposes in which the technology is merely the means. While equipment such as prostheses or a wheelchair are fundamental for some persons with a disability to carry on their daily living (Hansson, vanDerweide, Stam, Bergen & Eusemuth, 2006; Parquins, Bryant, Huang, Roberts, Nelson & Flood, 2006), advances in this technology, such as an energy storing prosthetic foot, make a lower limb amputee's gait faster and more efficient (Boschee, Heidekussen, Johansson-munk & Thidell, 2008).

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शोध समग्र

राष्ट्रीय शोध संघी
18 नवम्बर 2020

आधुनिक जीवन में योग एवं व्यायाम की भूमिका



प्रस्तावक - प्रचार, साक्षरीय वृद्धीजन स्वसंकोच अग्रणी महाविद्यालय, कोलकाता (म.प्र.)

DISCUSSION

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^aYogeshwar S. Natar, ^{a,c}Dr. Vasantha J. Manoharan

*Yegorukova S. N., **Dr. Vashurin A. Khudoshin.

^{††}Chancellor of Physical Education, Indiana University, Indianapolis, IN, U.S.A.

[illegible][illegible]

The problem is named as "Effect of Viscosity on the Dynamics of a Rod".

Forprint of the Study

Significance: Significant (p < 0.05) for the effect of anxiety on flexibility of students.

11) The age of the subjects ranged between 18-26 years.

[illegible]

As diets were analysed by applying 15 kcal (629 kJ) when agitated (P₁₅) 100 kcal was employed to use the mean difference. Error of application well out at 10% level. Findings of 160-440,000 kcal/m² body area (160-440,000 kcal/m² body area).

जागतिक व्यापार संघटनेस आशिल्ले विकसनशील देशांच्या शेतीच्या प्रश्न

पा.डॉ.विष्णू पा.कुटे
अर्थशास्त्र विभाग प्रमुख
नेहरू महा.नेरपरसोपंत
जि.यवतमाळ

WTO चा संघटनेचे मूळ १ जानेवारी रोजी स्वतःच झालेल्या GATT (नंतरले ऑर्गॅनॅट ऑन टॅरिफ अँड ट्रेड) या संस्थेकडे जाते. १९४८ म्हणजे दुसऱ्या महायुद्धानंतरचा काळ व त्या सुमारास प्रत्येक राष्ट्राला अधिक स्वतंत्र होणे होते, परस्परांतील व्यापार कोणत्याही करणाने अडू नये, आयात निर्यात कराचे बंधन काढील कमी रहावे. सर्व राष्ट्रांनी यासाठीने एकमेकांना बंधन ठेवले,या हेतूने १२ प्रगत राष्ट्रे व १२ अग्रगत वा प्रगतीपावणाऱ्या राष्ट्रे (त्यात भारत होलाच) अस्या २२ राष्ट्रांचा झालेला GATT हा संघटना उभी केली. इलेक्ट्रॉनिक साधने,कंप्यूटर यांचा व्यापारात वाढ झाली. वाढलेला पसात निर्यातला आणण्यासाठी अधिक प्रभावी संघटनेची गरज भासू लागली. त्यावर बंधी सुरु झाली. जगातल्या प्रमुख शहरांमध्ये बैठका घेण्यात आल्या. १५ एप्रिल १९९४ मध्ये GATT संघटना संकुचित आली, व १ जानेवारी १९९५ रोजी WTO ची स्थापना करण्यात आली.

WTO चा संघटनेला कायदेशीर स्वतंत्र आहे व तत्वेद निर्यातण्यासाठी न्यायधिकाऱ्याची सत्ता देवली आहे. WTO च्या कार्यात अनेक गोष्टींचा समावेश आहे. त्यात अन्वधान्य, शेती, तांत्रिक शिक्षण, सुती, वस्त्रे, व्यापारी, धोरणे, संख्यात्मक बंधने व प्रगतीशील राष्ट्रांना यातपाचा सवलती इत्यादी सर्व क्षेत्र आहेत. WTO ये सभामंदचे मिळवण्यासाठी निरनिराळ्या ६० कारणांमधून सही करावी लागते, व मुकळशी बंधने पाळली लागतात. भारताच्या दृष्टीने याच हे बंधने जायक ठरले आहे. हे कालांतराने दिशून देत आहे.

जगाच्या तुलनेत भारतीय शेतकरी :-

भारत एक कृषिप्रधान देश आहे. माग या देशातील शेतकरी जगातील शेतकऱ्यांच्या तुलनेत सर्वाधिक वारिगी आहे. आंतरराष्ट्रीय कृषी अध्ययन संस्थेनुसार भारत तसेच काही अशियायी राष्ट्रांमधील शेतकऱ्यांच्या वारिगी इतक्याची आकडेवारी पुढीलप्रमाणे शेतकऱ्यांच्या वारिगी उत्पन्नाची सरासरी

अ.क्र.	देश	वारिगी उत्पन्न (दोनरमारे)
१	जापान	२८,६६५
२	दक्षिण कोरिया	१०,९६२
३	मलेशिया	६,२५७
४	थायलंड	९२८
५	चीन	७३२
६	पाकिस्तान	५८५
७	भारत	८४३

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अर्थविश्व

Indian Financial Perspective – Evaluation of Period 2019-20

Dr. Shashikat V. Adsod

Nehru Mahavidyalaya, Nerparopant, Distt. Yavatmal

Abstract

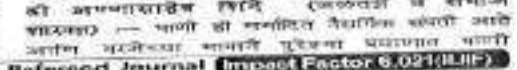
This year, the budget generated lots of interest on whether it would be full budget or interim one. Interim means the government is not seeking funds from the parliament to its full year's expenditure but only for four months. The full budget would be presented after the new government is formed at the Centre. Finally the interim budget was presented on February 1, 2019 by Union ministry of Finance, Government of India. Only couple of months were left with the BJP-led NDA government ends before which the next for the general election will be held. Since election may be held in the year 2019, the budget is to be interim one in which it leaves to the next government to present the full budget. The main three proposals of this year's budget are introduction of minimum income support to the small and marginal farmers, introducing the pension scheme for unorganized sector employees and introducing the concept of rural industrialization. The study also focus on new schemes which were introduced in the budget 2019 such as setting up the Rashtriya Kamdhenu Aayog, Pradhan Mantri Shram-yogi Mandhanyojana, Pradhan Mantri Kisan Samman Nidhi Scheme etc. The main objective of writing this paper is to analysis the impact of interim budget 2019-20 on Indian Stock market and to analysis the interim budget 2019-20 with an economic perspective. This paper offers analytical and descriptive aspects regarding the evaluation budget 2019-20.

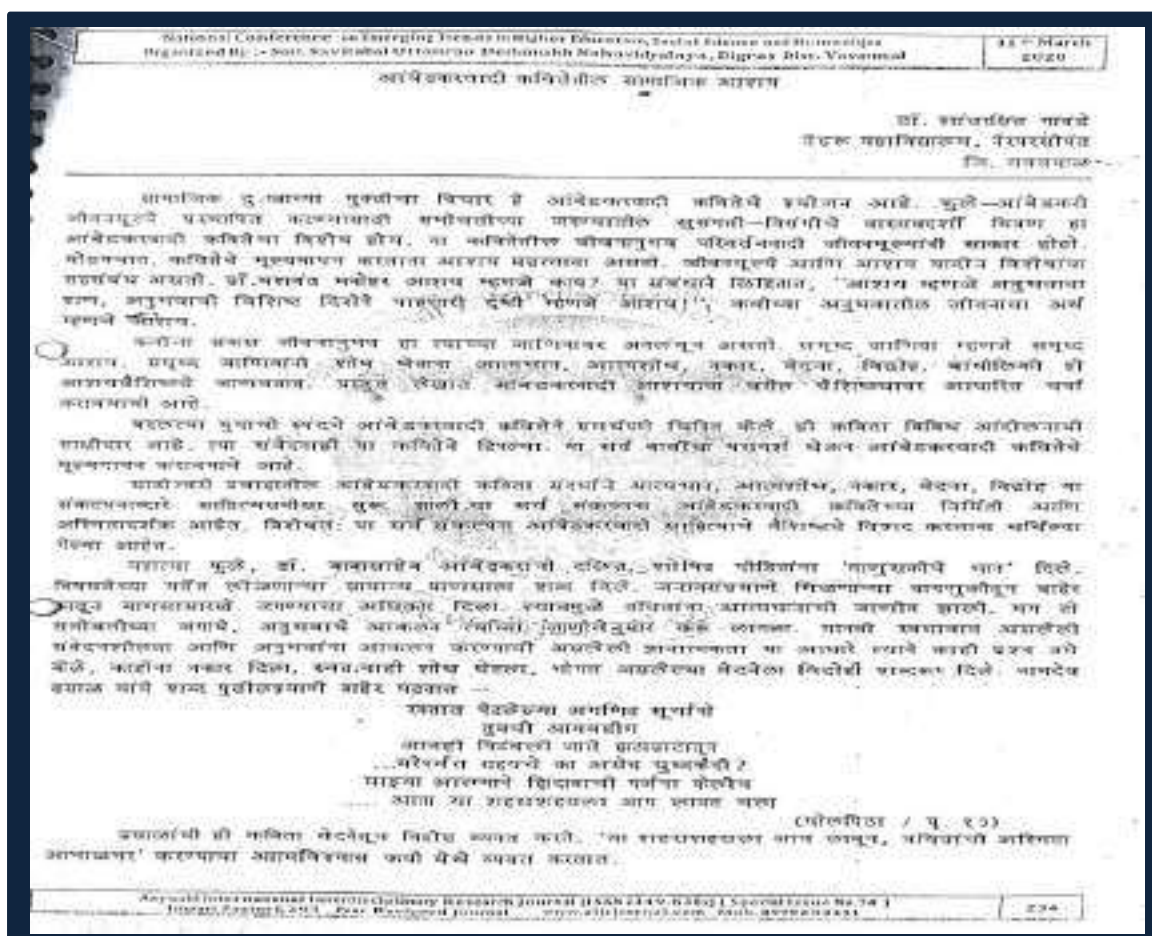
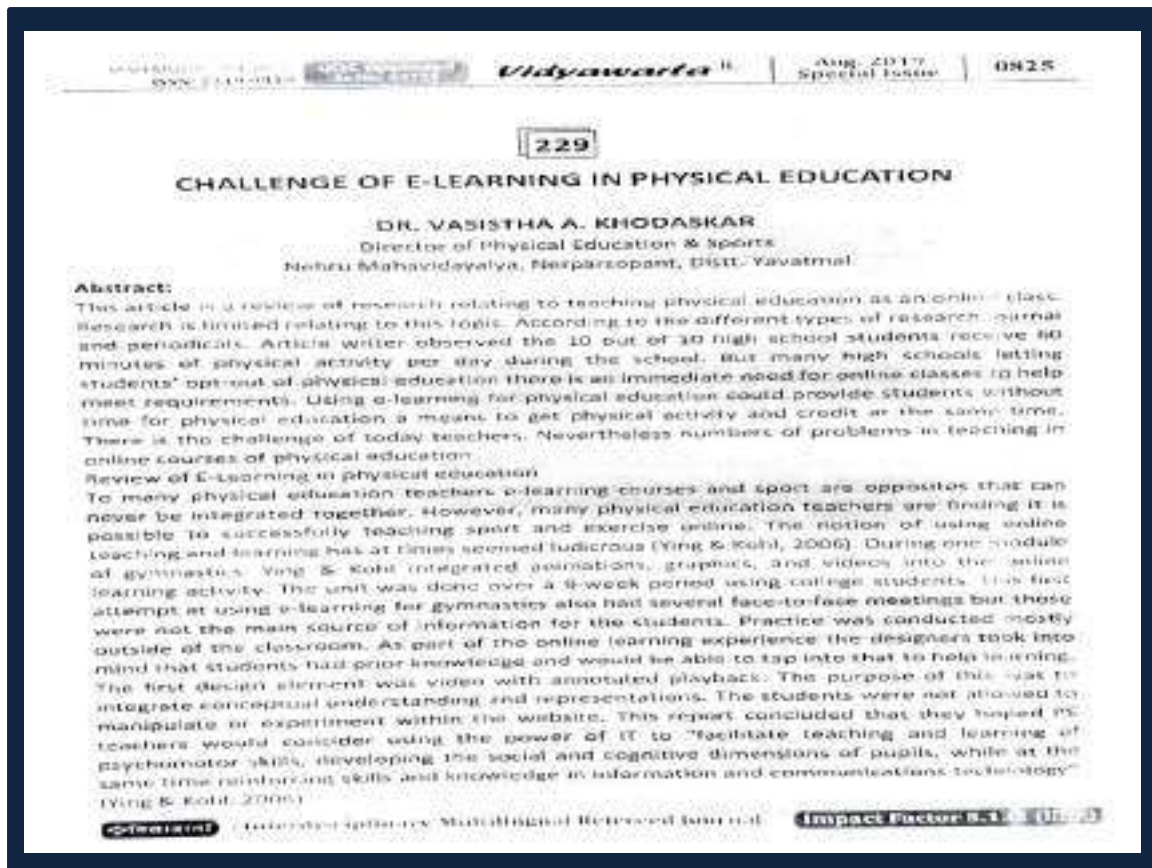
Key words:- Budget, Rashtriya Kamdhenu Aayog, Pradhan Mantri Shram-yogi Mandhanyojana, Pradhan Mantri Kisan Samman Nidhi Scheme.

Introduction

Generally, every year before the day of budget presentation, Economic survey is get prepared under the guidance of Chief Economic Adviser, Finance ministry. The survey includes the view on annual economic development over a previous 12 months, summaries of the performance on major development programs, and highlights the

policy initiated by the government and prospects of economy in the short to medium term. In general words, the budget means an estimation of income and expenditure for a particular period of time. The budget can be made for family, business, group of people, a government etc. In other word a budget is the sum of money allocated for a specific purpose and the summary of intended expenditures





भारतीय अर्थव्यवस्थेत विमूर्ततालाचे परिणाम
 प्रा. यम. सु. जर्जे
 निदेशक, महाविद्यालय, वेर

[illegible][illegible][illegible]

४) सर्वजनप्रदाया प्रत्येक हा अनिवार्य एकात्मक लेख जाईल

[illegible]

२३. श्रीमति विद्यादेवी देवदत्त देसाय

२३. संविधान विभागीय प्रस्तावना का अर्थ है कि संविधान के अन्तर्गत राज्य के नागरिकों को समान अधिकार प्राप्त होंगे।

23. विद्युतचुम्बकीय प्रकीर्णन प्रणाली २०१३, भारत सरकार, नई दिल्ली

[illegible]

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आदिवासी जीवन शैलीतर्फा सक्षमतेने जलिव्यावर सापेक्षतया भुजारी मर्यादा पारित करील. महाविद्यालयीन शिक्षण वेळ असतानाच त्यांचा 'आदिवासी नवविचार' (१९७५) हा गैरी मशीनरीय वरीलतत्वांचे प्रस्तावित आवरण. हे अन्वयान दीर्घायी भूमिका आपलेला 'अव्युत्पन्न' हा कविवर्यास १९७५ चा प्रकाशित आवरण. त्याच्या पुढापासून 'अनुसू भाषा' (१९८८) ही 'अव्युत्पन्न' यासाठीच प्रकाशित झाली.

[illegible][illegible]

॥ अथ भविष्यत् कालो भविष्यत् इति श्रुत्वा ॥
 ॥ अथ भविष्यत् कालो भविष्यत् इति श्रुत्वा ॥
 ॥ अथ भविष्यत् कालो भविष्यत् इति श्रुत्वा ॥
 ॥ अथ भविष्यत् कालो भविष्यत् इति श्रुत्वा ॥

આચાર્યશ્રીના આજ્ઞાપત્રોની અનિલકાઈને અવગણ્યાથી માનસિકતા ઇ-વર્ગમાં

विष्णुः सर्वभूतेश्वरः सर्वभूतेश्वरः

पिपरी-पी. एम.एस.

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नेहरू महाविद्यालय नेर (प.) लि. मयसतगाव

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[illegible][illegible][illegible][illegible]

त्यासाठी असाधारण व्यवस्था करण्यात आणू शकते असेही आहे. वैधानिक बदलात
 ज्या भवता इ-गव्हर्नन्स प्रसार अर्थव्यवस्थांना विमाने खेळी आहे. तर ५ महत्वात आहे.
 आहे. निविदांचा प्रवेशावळीत प्रत्येक मोबाईल, इमार्कट प्रसार तर मॉनिटरावर नमोवता- ५ महत्वात आहे.
 या कारणानुसार प्रत्येक निविदा मॉनिटरावर प्रसारित करणारा असाधारण कदात करीत मोबाईल करीत
 करत आहे. कदाचित असाधारण प्रसार प्रत्येक निविदा करत आहे. असाधारण निविदाप्रमाणे मुद्रावर्तित निविदा
 साधारणतः असाधारण प्रसार करणारा येतो. इ-गव्हर्नन्स करीत असाधारणतः प्रसारित करत असाधारणतः, असाधारणतः
 निविदाप्रमाणे, निविदाप्रमाणे या कारणे अनेक इ-गव्हर्नन्स निविदाप्रमाणे नमो निविदाप्रमाणे असाधारणतः असाधारणतः
 असाधारणतः असाधारणतः प्रसार इ-गव्हर्नन्स असाधारणतः असाधारणतः असाधारणतः असाधारणतः असाधारणतः

गुणित

आजकाल भारतीय जनता प्राचीन तकविकीया अवलंब न करता आधुनिक जगत्तली००

2

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Goods and Services Tax & its Impact
Dr. Pankaj S. Vishwakarma

Dr. Ibrahim S. Nishwallyarman

Seal Point, in Chamorro

Negara Shamsiddinova (Agric. Chem. and Selc. Sci. Res.
Department, Dsh. Yashinul)

Summary

The Goods and Services Tax or GST came into effect on the 1st of July, 2017. The aim of introducing the tax was to replace all the existing indirect taxes with a single comprehensive tax. Through GST, all indirect taxes such as central excise tax, service tax, VAT and entertainment tax were consolidated. This major step has helped the citizens of India to do their taxes easily without the hassle they faced earlier. And, this article will discuss the impact of GST on the Indian economy.

lands and Services Tax is levied on the manufacturing and sale of goods and services across the country. The tax is charged at every stage of the manufacturing process. GST is applicable for both the customer and the manufacturer. This means that GST is to be collected at the point of consumption. So, if a product is manufactured in Bihar and sold in Bhopal, the tax will be levied in Bhopal. Moreover, in every stage of the manufacturing process where value is added to the product, GST is collected.

Positive impact of GST is as follows:-

1. Kind of Starting Business
 2. Loan, Fds, Burden and Need in Filing Process
 3. Improved Registration
 4. No-Objection Between Firms and Services
3. Introduction:-

3.1. Introduction. GST is levied on the manufacturing and sales of goods and services across the country. At every stage of the manufacturing process it will be charged. GST is applicable for both the customer and the manufacturer. It is a destination-based tax. This means that GST is to be collected at the point of destination.



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- Types of GST** – Goods and Services Tax. The tax is levied by the central government on the manufacture and sale of goods and services.
- Types of GST** – Goods and Services Tax. The tax is levied by the central government on the manufacture and sale of goods and services.

For a decomposition of ERS, see +2000/0009. Display the ERS in the following:

Nehru Mahavidyalaya (Arts, Comm. and Sci.), Ner-Parsipant, Dist. Yavatmal

The Goods and Services Tax (GST) in India has replaced several taxes charged earlier. It has replaced VAT, service tax and taxes on excise. For a common man, GST means a lot different than to a businessman. While the common man (the service providers) does not have to do GST registration or pay GST via input credits, he/she will still be affected directly under the new tax regime in many ways because as GST is an indirect tax, which will be ultimately borne by the end consumers. Before we discuss the impact of GST on common man in India, it is essential to understand types of GST implementation and the GST rates.

Types of GSE Implemented in India

- * The GBT established by Centre: CGST
- * The GBT established by State: SGST
- * The GBT applicable on inter-state supply to facilitate smooth transfer between the Centre and the State: IGST

GST Rates range from 8%, 12%, 18% and 28% plus luxury goods

GST Rate Slabs	Current GST rates	Previous Rates	Products
1	5%	Up to 9%	Coffee, tea, edible oil, spices
2	12%	9% to 13%	Processed food, computers, electronic items
3	18%	13% to 21%	Shaving sticks, oil, soaps
4	28%	21%	Luxury goods such as tobacco, high-end cars, aerated drinks etc.

After adjustment in several taxes before Goods and Services Tax, the after-market holds tax relief especially because there will be a reduction in prices for FMCG products such as chocolates, shampoos, ultra small cars, booking air tickets, DTH etc. Biting out may also become cheaper, as earlier the service tax and VAT together made dining out experiences quite heavy on the pocket. Now VAT is applicable only on places that allow alcoholic drinks. Otherwise, GST has replaced service tax. On the other hand, there will be increase in prices for luxury cars, gold, textiles, aerated beverages, and tobacco. In terms of prices, services would be more expensive at the onset of GST. However, in the

१४९. १५५१. १५. ३५०३८३

સેફ્ટી સહાયિત્વાભવ, સેરામ) ડિ. અમલનસર

[illegible]

कोविड-१९ने देशभरात अर्थव्यवस्थावरील प्रोचनील असल्यानेच कृषक आणि व्यापार आर्थिक विकासामात मोठ्या प्रतीतीने लगेला आहे. त्यामुळे कृषक आणि व्यापारी यांच्यातही ही अवस्था आणखी बदलण्यासाठी कृषी क्षेत्राची मदत असल्याने चालू विधानसभा इतरांच्या वेळापत्रकातून वेगळे असल्याने कृषी विभागाचे चालू देश विभागाचे काम असल्याने सुद्धा वाढत्या लोकसंख्येमुळेच अशाप्रकारची आणि कठिण समस्या सामोरा घ्यावी लागल्यात ही कठिण परिस्थिती कृषी क्षेत्राची आहे.

[illegible]

ਸਾਹਿਬਜ਼ਾਦੀਆਂ ਦੀ ਸੇਵਾ ਵਿੱਚ ਸ਼ਾਮਲ ਹੋਣ ਵਾਲੇ ਸਿਪਾਹੀਆਂ ਨੂੰ ਸਿਰਫ਼ ਆਪਣੇ ਆਪਣੇ ਖਰਚੇ ਤੋਂ ਇਲਾਵਾ ਹੋਰ ਕੁਝ ਨਹੀਂ ਦੇਣਾ ਸੀ।

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श्री हरीश चण्डी प्रसिद्ध कैपेन्ब्रुग "एन्कीकण्डर नाकीटिंग फुल इडिशन" का अन्धधुन् निर्देशिकाका प्रकाशक विजिमा पिक्चर्स कंपनी
सुपुर्वान विभागे प्रकाशक विभागे केवला जगतल हॉलियल बाये जमले डिपो, अमरीक

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Covid 19 And Its Impact On Agriculture In India Dr. Shashikant V. Adsos Asso.Professor Nehru Mahavidyalaya, Narpasopant Dist. Yavatmal. ABSTRACT <i>Agriculture remains a central pillar of the Indian economy. The sector serves the food consumption needs of the whole country, while also playing among the top exporters of agricultural produce in the world. The sector has been facing its share of challenges in recent years, but few have been as severe as the domestic and international travel restrictions during Covid-19. Government have swung into activities since the Covid-19 virus outbreak made an extraordinary circumstances. Rules given by the Ministry of Home Affairs, Government of India on 15 April 2020 after the expansion of lockdown till 10 May 2020, excluded agribusiness, agriculture, essence farming, poultry, and fishery, and permitted exercised from lockdown limitations: workers can go to work, markets are to open, equipment is to deliver and April 10th shops and agro-handling focuses are to work. MNREGS work will likewise initiate. Powerful spread of the virus and usage on the ground will be urgent, as ranchers gather the rabbit yield and start arrangements for the Kharif season. Going ahead, one can predict numerous difficulties as ranchers and homestead workers set out to modify their lives and jobs. This has led to a fall in the world economy especially in developing countries like India. But agriculture being the backbone of the country and the GDP has been impacted in a negative way with enormous disruption in the private sector and cropping decisions for imminent agricultural seasons.</i> (Key words: MNREGS, GDP, Farmer Producer Organizations, Country Lockdown, MSME.) INTRODUCTION The global pandemic of Covid-19 that originated in the Wuhan province of China has stretched its arms in the entire world affecting each and each sector of the financial system. These measures may help in restricting the wellbeing emergency, yet—as in different nations—the total shutdown of every financial action aside from basic administrations will make a monetary emergency and weakness for poor people, and economic occupation misfortunes and rising nourishment frailty. The financial status will probably be substantially more extreme for India, for two reasons. Initially, pre-COVID-19, the economy was at that point seeing back down, aggravating existing issues of joblessness, low wages, provincial trouble, ailing the national aggregate of 85 million specialists, around 91% (422 million) were casual laborers in 2017-18. Locking wedding, pay rates or salaries, this horticulture, vegetable, and other casual laborers would be hardest-affected during the lockdown time frame. Careful steps like keeping up social removing and hand washing should proceed as COVID-19 proceeds. Positive measures by the state with helpful point of view are called for as we start working in another typically more alleviation in kind of measures to assist charging of extravagant expenditure by casual division monopolizers, waiver of enthusiasm for the quarter on term credits and overdraft agribusiness and MSME accounts, commemorating midseason brought about of loans to short-lived crops like bhokkisan, natural products, vegetables and fish, and growing the extent of MNREGS to remember the gather of harvests for ranchers' fields by work and worth expansion to deliver by women. OBJECTIVES 1. To study on Challenges of the Agriculture in COVID-19 2. To list out the Reaction of the Government of India. 3. To determine the Utilizing social wellbeing nets as a scaffold between wellbeing shun and Homestead.	

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The Impact of Covid-19 on the Indian Tourism

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Abstract

The current coronavirus, the "severe acute respiratory coronavirus-2 (SARS-CoV-2) syndrome," recently emerged, has contributed to a highly infectious disease called coronavirus disease in 2019 (COVID-19). The virus was first identified in December 2019 from Wuhan city in China and spread throughout the world in less than three months and was declared a global pandemic by the World Health Organization (WHO) on 11 March 2020. To date, the current pandemic has seriously affected the most industrialized countries of the world and has become a major threat to small and medium-sized countries. The pandemic has a major impact on India's tourism industry, especially on airlines and hotels. In addition, this study examines the implications for the sustainability and resetting of the tourism industry in India.

KEYWORDS: Tourism, Sustainability, COVID-19-19, Pandemics, India

Introduction

China reported an outbreak of pneumonia with unknown causes in December 2019. The epidemic had become an international public health emergency. A Wuhan Seafood Market was established as the suspected hub of the US Centers for Disease Control and Prevention (CDC) outbreak in early January 2020, and has been closed down since that time. This new virus was temporarily called the new COVID-19 coronavirus. On 30 January, the first case was confirmed in Kerala's Thrissur district in a student who had returned home for a vacation from Wuhan University in China (https://en.wikipedia.org/wiki/Timeline_of_the_COVID-19_pandemic_in_India). In the month of February also, the confirmed COVID cases (students returned from Wuhan, China) were from Kerala. Subsequently, a complete lock down was declared for the national concern by the Prime Minister of India on 25 March 2020.

Table 1 below shows the total number of COVID-19 cases in India as on 10/07/2020

Active Cases	Cured/Discharged	Deaths	Migrated	Samples tested
278685	495512	21604	1	1102449

COVID-19 and Impact on tourism Industry:-

This pandemic is the biggest challenge that any country has ever faced. As international travel could be adversely impacted by up to 25 per cent this year which is equivalent to a loss of three months of travel. Since travel has become an important part of everyone's life and is no longer considered as a luxury but a necessity to break away from a mundane routine and rejuvenate, we are positive that travel will revive soon. However, destination marketing services will see a drastic shift. The usually not-in-conventional destinations, who had seen a controlled exposure to the pandemic

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E-MARKETING IN OPPORTUNITIES AND CHALLENGES

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ABSTRACT

In the beyond few years, the net and e-trade commercial enterprise sports have grow to be one of the quickest developing technology that gambling a widespread position within the every day lifestyles of human being. Today, E-advertising and marketing is one of the maximum rising era in IT and E-Commerce sector. E-advertising and marketing is likewise called Internet advertising and marketing (IM), on-line advertising and marketing or web-advertising and marketing, method the usage of the net to marketplace and promote items and offerings. E-Marketing facilitates to discover the proper target market to whom items and offerings are to be supplied via way of means of the commercial enterprise organizations. It includes all tactics and sports with the functions of attracting, finding, prevailing and keeping customers. The scope of E-Marketing is deemed to be huge in scope it does now no longer most effective use to sell advertising and marketing over the net however additionally facilitates in advertising and marketing as properly thru electronic mail and wi-fi media. Here we analysed to discover the possibilities and demanding situations of Internet advertising and marketing in India.

Keywords: E-Marketing, Online, E-trade, online Advertising.

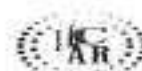
INTRODUCTION

Due to globalization, now no longer sim-

plest countries are coming towards every different however additionally exclusively regions undergoes into tremendous adjustments. And advertising region is likewise laid few with this and experiencing such a lot of adjustments continuously. To promote our product via net or virtual media is called e-advertising. Types and length of commercial enterprise company influences advertising historically however in today's scenario, virtual generation is a treasured addition. E-Marketing is likewise called net advertising and online advertising. E-Marketing enables to discover the proper target market to whom items and offerings are to be furnished with the aid of using the commercial enterprise organizations. It includes all strategies and sports with the functions of attracting, finding, prevailing and keeping customers. Creative use of net generation is made with the aid of using the usage of numerous multimedia, text, pictures etc., with exclusive languages to create catchy advertisements, forms, e-save wherein product may be promoted, considered and sold. The scope of E-Marketing is deemed to be wide in scope it does now no longer simplest use to sell advertising over the net however additionally enables in advertising as properly via e-mail and wi-fi media. E-advertising additionally joins technical and innovative components of the Internet, including development, design, commercial and sales. Use of web sites are made with the aid of using e-advertising in mixture with on-line promotional strategies which include social media advertising, seek advertising (SEM), interactive online ads, e-mail advertising, on-line direct-response, viral advertising, associate advertising and so on. E-Marketing additionally encompasses product display, commercial which includes pictures, movies and audio with text, 3-D product view, product navigation, basket selection, checkout and payments. The virtual technology used as conversation and transport medium inside the scope of e-advertising which encompasses:

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Research Article

INTERACTING DARK FLUIDS IN KALUZA-KLEIN UNIVERSE WITH SPECIAL FC RM DECELERATION PARAMETER *

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ABSTRACT

In this paper we deal with Kaluza-Klein universe filled with interacting Dark matter and Holographic dark energy in General Theory of Relativity. The special version of Einstein's field equations are obtained by applying the law of special form deceleration parameter proposed by Singh and Guleria (2007). The interaction of a perfect fluid can vary spatially and isotropic isotropy also varies dark here. The physical and geometrical properties of the models are obtained and discussed in detail.

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INTRODUCTION

The observation from type Ia Supernovae [Perlmutter et al. 1998, 1999, Riess et al. 2004] and Cosmic Microwave background (Wilkin 1999) radiation indicate that our universe is accelerating. Recent observation PLANCK 2013 [Ade 2014] shows that universe consists of 68.3% Dark Matter (DM) and 4.9% baryonic matter. The nature of matter transition from the earlier deceleration phase to the recent acceleration phase and the source of acceleration equation are still unknown.

Many dynamical DE models have been proposed by various researchers such as quintessence with $w < -1$ [Bianchi 2000], phantom with $w > -1$ [Caldwell 2002], tachyon [Raga 2003], k-essence [Armendariz 2001], dilaton-like ghost condensate [Lueker 2002] and so on.

In the context of the DE problem, though the holographic principle proposes a relation between the holographic dark energy (HDE) density ρ_{DE} and the Hubble parameter H as $\rho_{DE} = H^2$, this is does not contribute to the present accelerated expansion of the universe.

Granda and Olmstead (2009) proposed a holographic density of the form $\rho_{DE} = (\alpha_1 H^2 + \beta_1 H)$ where β_1 is the Hubble parameter and α_1, β_1 are constants which must satisfy the conditions imposed by the current observation [11]. Barbo et al. (2012) have studied different DE cosmologies (interacts in $f(R)$ gravity, $f(R, T)$ gravity, $f(T)$ gravity, Gauss-Bolt theory, HDE, coupled DE and $f(R)$ cosmological models representing the accelerating expansion with the quintessence/phantom nature or dark energy with Cosmography tests. Many interesting works already have been done taking HDE model to achieve a good approximation of the nature of DE [Huang and Li 2004, Gong and Zhang 2005, Li and Long 2006, Li et al. 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 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Interacting Dark matter and Holographic Dark Energy in Kantowski Sachs Universe with Constant Deceleration Parameter

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Abstract: In this paper, we deal with the Kantowski-Sachs universe filled with interacting dark matter and Holographic dark energy. The solutions of the field equations are obtained by using constant deceleration parameter. The geometrical and physical aspect are studied in details.

1) Introduction:-

The observations from distant type Ia supernovae, the fluctuation of the anisotropies of the Cosmic Microwave Background Radiation (CMBR) and the mass-energy density obtained from galaxy clusters, weak lensing and large-scale structure suggest that the universe is undergoing a phase of accelerated expansion (Perlmutter, 1999; Riess, A.D. et al. 1998). This expansion has been interpreted as a consequence of dark energy, the negative pressure which can reduce repulsive gravitational force causing the accelerated expansion. The Wilkinson Microwave Anisotropy Probe (WMAP) shows that the Dark Energy (DE) has about 75% of the energy of the universe and Dark Matter (DM) occupies 25% and baryon matter occupies only 4% of the total energy of the universe. Further investigation of the property of Dark Energy, many researchers proposed the model (see, for eg) quintessence with DE as $w > -1$ (Bianchi et al. 2000), phantom with DE as $w < -1$ (Padmanab, 2003), tachyon (Bragi et al. 2003), Star (2002). Another model based about form of Dark Energy is the so-called Holographic dark energy (HDE) based on the holographic principle in quantum gravity theory. The Holographic Dark energy model was originally proposed by holographic QCD theory (1997). Recently, the holographic dark energy model with Chaplygin gas (M.R. Gown, 2007) and with modified Chaplygin gas (S.C. Paul, 2007) have been investigated. In recent years, the Λ CDM model of dark energy has been studied as a promising candidate for dark energy. It is motivated from the holographic principle which might lead to the quantum gravity models. The models involving dark energy state, in the thermodynamics of black hole, there is a relation of entropy in a box of length L is inversely related, the Bekenstein-Hawking entropy bound $S \leq \frac{A}{4} \ln 2$, which states that the entropy of the box is bounded by $A \propto L^2$ (Bekenstein, 1981). In cosmological context, Granda and Obied (2009) considered a holographic dark energy model with $\rho_{DE} \propto H^2 - \Omega_m H^2$ as the Hubble parameter and ρ are constants which might satisfy the conditions imposed by the current observational data. This new model of dark energy represents the accelerated expansion of the universe and is consistent with the current observational data. Granda and Obied (2009) have also shown the correspondence between different similar field dark energy models with this holographic dark energy model for a flat FRW universe. Holographic dark energy model is constrained by various astronomical observations such as (Zhang and Wu, 2008; Esquivel-Aparicio and Hodel, 2010; Han, Wang, Abdalla and Wang (2015; Chang, Wu and Zhang, 2006). A special case for a flat FRW universe, HDE model is equivalent to Λ CDM (Pagan and Zimdahl, 2009; Wang et al. 2009; Carvalho and Rao, 2006; Perivolaropoulos, 2005; Gora, 2004; Wang et al. 2004; Math and Cheliov, 2006; Chakraborty et al. 2007, 2008; Guo, et al. 2005, 2007; Li and Li, 2008; Li, et al. 2009; Wang, 2009, 2007; Zimdahl and Pavon, 2007). Recently, Granda and Obied (2009) studied interacting dark matter and Holographic dark energy in Bianchi type-I cosmological model and Chhav et al. (2014) have studied interacting dark matter and Holographic dark energy in an anisotropic universe. In addition, the proposal of interacting dark energy is compatible with the current observations such as the SNIa and CMB data (Gara, 2006) (see, for eg) S. Tsujikawa, 2007).

Recently Shukla Srivastava et al. (2018) studied new holographic dark energy in Bianchi III universe with $\rho_{DE} \propto H^2 - \Omega_m H^2$ as the Hubble parameter and ρ are constants which might satisfy the conditions imposed by the current observational data. This new model of dark energy represents the accelerated expansion of the universe and is consistent with the current observational data. Granda and Obied (2009) have also shown the correspondence between different similar field dark energy models with this holographic dark energy model for a flat FRW universe.

Motivated by the above discussion, in the present paper, we consider spatially homogeneous and anisotropic Kantowski-Sachs universe filled with interacting dark matter and Holographic dark energy. The general solutions of the Einstein's field equations in geometrical aspect of the models are also discussed.

2) Metric and Field Equations:-

The Kantowski-Sachs universe given by

$$ds^2 = dt^2 - a_1^2(t)dx^2 - a_2^2(t)(dy^2 + \sin^2 \theta d\phi^2)$$

are the cosmic scale factor,

$$(1.1) \text{ where } a_1(t) \text{ and } a_2(t)$$

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भारत में आर्थिक सुधार के प्रभाव और परिणामों में सुनिश्चित

प्र. डॉ. विष्णु पंडित राव

अर्थशास्त्र विभाग प्रमुख

पिपल इन्स्टीट्यूट, गैर-सरकारी, लि. चण्डीगढ़

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इ.स. २०२३ के वर्ष में, यह अर्थशास्त्री आर्थिक सुधारों के प्रभाव और परिणामों में सुनिश्चित करने के लिए अर्थशास्त्र विभाग के द्वारा आयोजित किया गया। इस अवसर पर, अर्थशास्त्र विभाग के अध्यक्षों के और भारतीय अर्थशास्त्र के बारे में।

इ.स. २०२३ के वर्ष में, अर्थशास्त्र-आर्थिक सुधारों के लिए प्रमुख

- अर्थशास्त्र विभाग के अध्यक्ष
- अर्थशास्त्र विभाग के अध्यक्ष
- अर्थशास्त्र विभाग के अध्यक्ष
- अर्थशास्त्र विभाग के अध्यक्ष

आर्थिक सुधारों के लिए प्रमुख

१. अर्थशास्त्र आर्थिक सुधारों के लिए प्रमुख

- अर्थशास्त्र विभाग के अध्यक्ष
- अर्थशास्त्र विभाग के अध्यक्ष
- अर्थशास्त्र विभाग के अध्यक्ष

२. अर्थशास्त्र सुधार

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SUPPLEMENTARY

आम आर्थिक घोरताच्या अंमलबजावणी अडथळ्यात, आजीविकासाठी प्रथिती सुरू केली, तिचा प्रभाव लवकर भावनात्मक दबाव अधिक होऊ शकतो. आजीविका आताही अडथळ्यात पडते असे होत. त्यासाठी समाधानाचे साधनेही सुरू केल्या. अर्थव्यवस्था चालू देऊन, त्या लुप्तप्रायी

- [illegible]

— अविनासाहो हिम आनन्दिक पल्लवीन्त मङ्गलान् मङ्गलान् पुनीत
जीव श्रीरामान् प्रसादीन् मङ्गलान् प्रसादीन्.

- [illegible]

average specimen size :—

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DR. SHASHIKANT V. ADSOD¹
1 NEHRU NAGAVIDYALAYA, NEHRA

INHERU NALLAYADIALAYA, NEERPARSOOPANT, DISTT. YAVATMAL (MS)

ABSTRACT

Amalambhar Bhattacharya has observed that the restructuring of 'Make in India' that was declared by Hon'ble Prime Minister on 25th Sept 2015 with new vision. The restructuring announcements were made in 5 days relief package by the government. Minister Nirmala Sitharaman to mitigate the negative effects of the 19 pandemic. She stressed that it doesn't aim to welcome within the essential scenario of pandemic case international movements of products and technology are continuously being the exclusive intent of producing FDI by growth of this sector from zero to 1,50,000 items daily by the start of 2020. Indicating, the self-direction within the future. The paper focuses on these sectors and areas that have potential to realize capacity for turning into a world supplier. The paper analyses the constraints and suggest the various suggestions to utilize the present

NEW WORLD,

MAKE IN INDIA, COVID-19 PANDEMIC, PDI, PPE, SELF-RELIANCE

INTRODUCTION

Due to COVID-19 pandemic India shifted declining global exchange which gave us a chance to obtain self-reliance in a few sectors and to turn out to be a international supplier. In 1993 monetary crisis, IMF crisis hyperinflation caused release new coverage referred to as LPG or Liberalisation, Privatisation and Globalisation. Similarly, when you consider that March, 2020 something state of affairs changed into confronted the way of means of international addition to india because of COVID-19 gave a brand new idea to emerge this is self-reliance India. With the affect of COVID-19, many nations are adopting international policies. India is a growing country; therefore, it's miles very tough to undertake protectionism. But in a few sectors where we're able to obtain self-reliance, we are able to impose exchange obstacles to defend and increase home industries. As noted via way of means of government, 12 sectors along with vehicle middle components, textiles, business equipment and furniture, meals processing, natural farming (rice, aluminium and copper, agro-chemicals, electronics, leather-based and sheep, Metals, minerals and vanadium) were diagnosed to present greater cognizance to turn out to be a international supplier. It has been visible that these merchandise have comparative gain may be produced locally at low cost. India has big ability in Agro-chemicals, Pharma & API (energetic pharmaceuticals) too.

Foreign secretary Shringale stated that "The concept at the back of self-reliance or *Aamir-bhar* isn't

always to grow to be the most united states of America however as the opposite it's miles to make sure that India can grow to be the worldwide nerve centre of the combined cutting-edge multinational deliver chains. Pandemic state of affairs gave India a brand new status of America in the front of the sector through localizing their produce and through changing deliver chains to fulfill their demands." Foreign Chamber of Commerce and Industry in New Delhi stated that India now have possibility to diversify worldwide deliver chains, thus converting instances with an integration of low chain, rising technology and synthetic intelligence, get us with an enormous possibility for different united States of America and mitigate the deliver chain disruptions with the multiplied use of progressive virtual structures and applications."

OBJECTIVE:

1. To discover the ability of a few sectors in obtaining assistance
2. To discover the troubles at the manner to Alimshirshah or Bharat Abhiyan
3. To propose treatments for present inophiles.

RESEARCH METHODOLOGY

The gift books are primarily based totally on secondary rewards gathered from one of a kind journals, magazines, numerous books and web sites that are actually stated within side the bibliography.

From Editor's Comments: See Foreword

Dr. Pankaj Shyamdasji Vishwakarma

Asst. Prof. in Commerce & IQAC Co-ordinator

Nehru Mahavidyalaya, Nerparsoant, Dist. Yavatmal (M.S.)

Abstract:-

Globalization, which refers to the process, has been changing the world (Economic and commercial). This is the new globalized world. On the other hand, it is also a process.

Globalization is a process, in which companies and governments of many different nations interact, have

and a tremendous effect on economic growth and on the well-being of individuals all around the world particularly those in developing countries. Although globalization can be a good thing financially and economically, it can have a detrimental effect on people who live and work in poorer, undeveloped countries. This is where the ethical issues of globalization arise. It is unethical to decrease the value of human life and to abuse workers for the sake of economic prosperity. Ethical issues arise in the globalization of commerce when there is use of sweatshops, forced labor, child labor, unsafe working conditions, physical and mental abuse of workers, and low safety, health, and environmental standards.

Globalization changed the shape of the economy explosively. It reduces the administrative barriers. It reduces the transportation and communication cost. It gives ideas to new world like development of new investment opportunities, new markets, new resources, etc.

Impact of Covid-19: India and rest of the world largely affected. India's Economy is declined compared to last year. India GDP growth rate declines and various sectors of Indian industry affected widely.

We will now Rethink, Redesign and Restructure each and every aspect.

Keywords: globalization, exports, Covid-19.

Introduction:-

Globalization and Commerce:-

Globalization is a process in which companies and governments of many different nations interact, have and a tremendous effect on economic growth and on the well-being of individuals all around the world particularly those in developing countries. Although globalization can be a good thing financially and economically, it can have a detrimental effect on people who live and work in poorer, undeveloped countries. This is where the ethical issues of globalization arise. It is unethical to decrease the value of human life and to abuse workers for the sake of economic prosperity. Ethical issues arise in the globalization of commerce when there is use of sweatshops, forced labor, child labor, unsafe working conditions, physical and mental abuse of workers, and low safety, health, and environmental standards.

information. Application has played the dominant role in this area, i.e. information, e-commerce, e-business, etc.



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"Globalization Changed Into Slowbalization (Current Scenario of Global Financial Crisis (GFC))"

Dr. Pankaj Shyamdasji Vishwakarma

Asst. Prof. in Commerce & IQAC Co-ordinator

Nehru Mahavidyalaya, Nerparsoant, Dist. Yavatmal (M.S.)

Abstract:-

Globalization, a process in which companies and governments of many different nations interact, have and a tremendous effect on economic growth and on the well-being of individuals all around the world particularly those in developing countries. What are the 21st century skills that our schools and colleges should impart to all students? In a globalized world the ability to communicate effectively, both in speech and writing should be given primary importance. Access to Internet is essential for 21st century learning, and Government should make sure that broadband is available in all schools and colleges.

Globalization changed the shape of the economy explosively. It reduces the administrative barriers. It reduces the transportation and communication cost. It gives ideas to new world like development of new investment opportunities, new markets, new resources, etc.

Impact of Covid-19: India and rest of the world largely affected.

India's Economy is declined compared to last year. India GDP growth rate declines and various sectors of Indian industry affected widely.

We will now Rethink, Redesign and Restructure each and every aspect.

Keywords: globalization, exports, Covid-19.

Introduction:-

Globalization and Covid-19 Situation:-

Globalization can be a good thing financially and economically, it can have a detrimental effect on people who live and work in poorer, undeveloped countries. This is where the ethical issues of globalization arise. It is unethical to decrease the value of human life and to abuse workers for the sake of economic prosperity. Ethical issues arise in the globalization of commerce when there is use of sweatshops, forced labor, child labor, unsafe working conditions, physical and mental abuse of workers, and low safety, health, and environmental standards.

Covid-19 gives us the rethinking about how to survive, live and with a livelihood. This is because trade and transport/travel has been recognized as significant determinants of the spread of disease.

Globalization results into disease transmission in the recent Covid-19 environment.

In this regard Sri N.R. Narayana Murthy said this sentence, "I believe globalization is about sourcing capital from where it is cheapest, producing where it is cost effective and selling where it is most profitable, all without being constrained by national boundaries."

New global culture contains defines as commodification, economic, chains of enterprise named now as "GLOBISH".

The thing is taken into consideration that, extremely unequal distribution of wealth between regions and countries and among population groups within countries.

This unequal distribution of wealth and poverty has gained momentum with the world development model known as "GLOBALIZATION".

UNEQUAL DISTRIBUTION OF
WEALTH & POVERTY



GLOBALIZATION

உயரநீதிமன்றம், சென்னை, இந்தியா



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ROLE OF HR IN EMPLOYEE MANAGEMENT DURING RECESSION			
Dr. Pankaj Shyamalaji Vishwakarma M.Com., M.C.M., M.Phil.(Com), NET, Ph.D. Nehru Mahavidyalaya (Arts, Com., Sci) Varanasi Mobile No. –9860342313			
Abstract :			
<i>Human resource management is responsible for how people are treated in organizations. It is responsible for bringing people into the organization, helping them perform their work, compensating them for their labours, and solving problems that arise. Recession presents a very difficult time for any existing organization in today's corporate world and no company is exempted from this truth. The biggest challenge for companies and especially Human Resource in this economy downturn is to survive under remain competitive, companies reorganized and reengineered to reduce waste. Recession poses unique challenges to the HR department. HRM strategies & innovations providing a wide selection of employees, employers, customers, suppliers etc. in all ranges. This paper outlines the transformation of HRM strategies and innovations in Asia. Beginning with its inception, the paper is progresses towards its various HRM functions like recruitment and selection of employees, training and development, compensation and benefits, growth of Human resource union. This paper also highlights HRM strategies to counter intensified competition and external conditions like global economic recession, the resultant credit crunch and its impact on employee performance.</i>			
Keywords : Human Resource Management, recession			
Introduction :			
HRM Innovations in Recession: "The recession is about the creative Human Resources Management. The HRM function is asked to bring new ideas, to change the HRM Processes and to develop or manage the procedures and this effort has to be cheap or thus to cut the waste of the organization. The HRM innovation is easy in times of the business growth, but the recession is not good for big innovative HRM initiatives. On the other hand, the top management understands the effort to innovate the HRM Processes better. The top management is in the search for the potential cost savings and they count every single penny brought by the fine management. The HRM Crisis are usually a very significant cost to the organization and the HRM function has to be preservative. The HRM Function has to focus on unpopular innovations during the recession as the role of Human Resources during the recession is to save money to the organization. The top management expects all the support			

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प्र.श्री.विष्णु पांडुरंग कुटे
अभियांत्रिक विभाग प्रमुख
महाराष्ट्र महाविद्यालय नेट परीक्षामत
नियंत्रणमण्डल

1) **इयमाज्जाना वादल**

- युनायटेड नेशन्स फेजवर्क कन्व्हेन्शन ऑन क्लायमेट चेंज (UNFCCC) मुसोद, हवामान बदल म्हणजे पृथ्वीच्या हवामानातील बदल ज्याचे श्रेय प्रत्यक्ष किंवा अप्रत्यक्षपणे मानवी क्रियाकलापांना दिले जाते ज्यामुळे आपल्या वातावरणाची हत्या बदलते.
- अंतराळ आणि वेळेनुसार हवामानातील बदल आणि नियतकालिक बदल, परिणामी हवामानात होणारे बदल यालाही हवामान बदल म्हणून परिभाषित केले जाऊ शकते. उदा - उष्ण आणि ओल्हाट ते उन्हाट आणि कोरडे हवामानातील बदल, हे जागतिक तापमान आणि मानवी क्रियाकलापांच्या वाढीमुळे स्थानिक, प्रादेशिक किंवा जागतिक वातावरणातील बदल आहे. हवागमन बदलाचा दर कायदा घटकामध्ये गतीवर अवलंबून असतो. स्थानिक, प्रादेशिक किंवा जागतिक स्तरावर, कारणात्मक घटकामध्ये गतीनुसार हवामान हळूहळू किंवा वेगाने, अंशतः किंवा लवकर, अल्पकालीन किंवा दीर्घकालीन बदलू शकते. हवामान बदलाचा विश्वसनीय परिणाम यावरून समजू शकतो की ज्युस्टासिक कालखंडात, हवामानातील बदलामुळे हारमनासोढा मोठ्या प्रमाणावर विलंब होणारा



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ABSTRACT

Solid polymer electrolytes have number of advantage over the conventional liquid electrolyte such as longer life, easily fabricate in desirable shape and leakage free and so on. The attempt has been made in this study with poly(vinyl alcohol) (PVA) doped with different percentage of Ammonium Iodide (NH₄I) were prepared by solution casting technique. It is reveal that electrical conductivity of poly(vinyl alcohol) doped with ammonium iodide increases with increasing salt concentration as well as temperature. The temperature dependent conductivity shows Arrhenius behavior.

Keyword - Solid polymer electrolyte, Electrical conductivity, Polyvinyl alcohol

1. INTRODUCTION

An electrolyte is a substance that produces an electrically conducting solution when dissolved in a polar solvent, such as water. The dissolved electrolyte separates into cations and anions, which disperse uniformly through the solvent. To overcome the leakage problem in liquid electrolyte, it is replaced by solid polymer electrolyte [1]. Also solid electrolyte has several advantages such as ease of handling, low cost, high environmentability. Polymer electrolytes (PEs) are ionically conducting material that may be used in the fabrication of solid-state electrochemical devices such as rechargeable batteries, supercapacitor, fuel cells, gas sensors [2-8]. The role of polymer electrolyte in these applications are provide good electrode-electrolyte interface, provide good electrolyte insulation and allow a fast and selective transport of the ions. It is extremely important in

understand the charge transport mechanism of polymer electrolyte for practical application. Electrical properties of polymer can be suitably modified by adding of salt. In present study, PVA has been chosen as polymer host due to its mechanical strength, excellent film-forming ability, dopant-dependent electrical and optical properties, low cost and high tensile strength (6-7). PVA is semicrystalline material and it contain hydroxyl group attach to methine carbon which can be source of hydrogen bonding. As per literature survey ammonium salt are very good proton donors (8-9).

II. METHODS AND MATERIAL

In the present study, poly(vinyl alcohol), ammonium iodide, and double distilled water were used to prepare solid polymer electrolyte. The film of pure

Research Paper	K-18NN NO. 2455-295X VOLUME 7 ISSUE 16 JUNE 2021	
	YOGIC INTERVENTIONS FOR PSYCHO-PHYSICAL WELL-BEING DURING COVID-19	
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	ABSTRACT:	
	Health indeed is Wealth. The Corona Virus Pandemic has impacted the best health-care systems world-wide, even as the world grapples with the massive loss of human life causing pain to millions. The Pandemic is no more just a medical health challenge; it has thrown up spiritual and emotional challenges as it is affecting our belief system. "Prevention is Better than Cure is the motto". Since there is an allopathic medicine solution available; people are adopting various measures like social distancing and personal sanitization. There is an urgent need to assist the individuals to take all the preventive measures possible to boost their immunity, improve the respiratory system, and lessen the anxiety, stress, and depression. It can be difficult to not feel anxiety and sometimes panic over the corona virus outbreak, with the onslaught of updates on news and social media. Yoga has emerged as the perfect tool that an individual can follow to establish physical, mental and spiritual balance to develop robust health and combat physical and emotional challenges. Yoga offers another path, a fresh perspective with which to deal with events that are beyond our control. The different asana of yoga can help us to prevent COVID-19 by boosting our immune system and managing the stress that one is going through in this time of uncertainty. This study tries to specifically evaluate the impact of the preventive measures undertaken through Yoga practice. 125 respondents from Ahmednagar District, Maharashtra were requested to perform yoga daily for 30 days. Significant changes were observed and are discussed in detail.	
	KEYWORDS:	
	CORONA VIRUS PANDEMIC, COVID-19, SOCIAL DISTANCING, HOUSING, IMMUNE SYSTEM, HEALTH, PHYSICAL, MENTAL, SOCIAL MEDIA.	
	INTRODUCTION:	
	The Corona Virus pandemic has engulfed the whole world in a matter of days and months. It has taken the fear and anxiety to every doorstep world-wide. It has forced fear in - developed, developing and poor nations. It has impacted the healthcare systems without sparing anyone. The pandemic is more than just a physical health problem or a curable disease. It's a catastrophe that has forced every individual to respond to the crisis. Since there is no cure the focus has been prevention. It is up to the individual to take measures to protect themselves and the whole society. People have had to dig deep into their beliefs and faith, spiritual and traditional notions, healthcare systems, food and diet to build immunity to prevent the disease from taking a heavy toll. Every country is trying to investigate and learn more about the disease and the manner of its development. [1, 2] Not everyone exposed to this virus is getting infected and not every infected suffer develops a serious respiratory illness. This infectious disease has caused an immense global health crisis. No one is safe until everyone is safe. On a personal level it has created a virtual battlefield within each one of us. The battle between our fears and desires is raging within everyone. The response must be strengthened via actions on the physical, emotional, and spiritual scale. Everyone is worried about their survival. Seeing the fear that it has impacted the world very badly but still, we are all waiting for the vaccine to be invented. Social distancing and other measures are followed by everyone but still, people are looking for an urgently needed course of action which can make them fight this virus. Out of every five infected patients, around one is prone to become seriously ill and suffer from breathing problems. Anyone can get infected by this virus and it can get transmitted to others even if the host has mild symptoms. [3] This virus mainly gets transferred from one person to another through small droplets from the infected host's nose or mouth while sneezing, coughing, or speaking. It has been found that people with weak immunity are getting more infected by this virus. Most of the infected patients (80 %) can recover from the attack of this virus without treatment of hospital if they have a strong immune system. Yoga is one such practice that can help in boosting the Immune system. [4,5] Moreover, yoga is a practice that is	
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RESEARCH ARTICLE **OPEN ACCESS**

Effect on Dielectric and Electrical Conductivity of Polyvinyl Alcohol with Acid

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Abstract
In this study, PVA with different mole percent acid films were prepared by a solution cast method. The electrical conductivity of the mixed solutions increased with the addition of acid to pure PVA solution. Polymeric films AC electrical conductivity has been studied under different frequency range. Results showed that AC electrical conductivity increased with increasing acid concentration and frequency. The conductivity was measured using 4284 LCR meter in frequency range of 20Hz to 1MHz and at different temperature.

Keywords: PVA, AC, Electrical conductivity, Dielectric Properties.

Introduction

Polymer is good insulating material with low ionic conductivity. In recent year, electrical conduction in polymer has been studied to know the character of charge transport [1]. Different types of conduction mechanisms have been suggested for the charge transport [2]. PVA is an insulator because it does not have a charge functional group [3]. Therefore, an acid group donor has the potential as a dopant of PVA mixture to enhance its conductivity [4], one of which is phosphoric acid (H₃PO₄). Polymer film PVA-H₃PO₄ complexes have been investigated and it was found that the amorphous structure of PVA increases with increasing concentration of H₃PO₄ with the H⁺ ion [5].

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DC Conductivity and XRD of Solid Polymer Electrolytes

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ABSTRACT
A solid polymer electrolytes of polyvinyl alcohol with ammonium bromide having different composition have been prepared by solution cast technique. We have measured the DC electrical conductivity of solid polymer electrolyte at different temperature. The dc conductivity was obtained from current-voltage characteristics by using two probe technique in the different temperature range. The addition of salt in the polymer PVA increase the ionic conductivity. XRD analysis reveals the complex formation between the polymer and salt.

Keywords: Polyvinyl alcohol, Ammonium bromide, XRD, DC electrical conductivity.

1. INTRODUCTION

Polymer have been used as a insulating material and very low ionic conductivity. To increase the ionic conductivity depend on the addition of some dopant (ammonium salt) in polymer. [1]. Polyvinyl alcohol was chosen as a polymer host because it has been attractive due to dielectric strength, good charge storage capacity, good film forming ability, and dopant dependent electrical and optical properties. [2-3]. Ammonium salts have been a very good proton donor to the polymer matrix system and to increase the conductivity [4-5]. So in present work, to study DC electrical conductivity of solid polymer electrolyte.

II. METHODS AND MATERIAL

Polyvinyl alcohol with molecular weight 125,000 (AR grade 5d fine), ammonium bromide (AR grade merck), and deionized distilled water as a solvent have been used to prepare solid polymer electrolyte by solution cast technique. In this method PVA and ammonium bromide have been dissolved separately in deionized distilled water by mole percent. Then different molar ratio of NH₄Br in PVA and the solution is stirred well using magnetic stirred, until homogeneous solution was formed. These homogeneous solution was casted in petri dish and evaporated slowly at room temperature. The film have been formed with uniform thickness. The variation between current and voltage measured by using Kieley 6457 picoammeter/voltage source meter instruments at various constant temperature.

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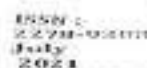


Mob:8669032019

पश्चिम बंगाल राज्याचे हलाय साताराची बसची अड्डाची इमारत-घर चर चौथ्यापेक्षा जास्त उंच उभारण्याचे काम सुरू करण्यात येते. कोकण व पश्चिम बंगाल राज्यांमध्ये समभावादी मतभेदांप्रमाणेच मातीचे कोकणचे वेतारामास लागणूक दगडी मिळीत काढण्याची तरतुद आहे. बीकानेरील उपलब्ध माट्याचा वाड्याची चार कलमणत येतो. ज्या ठिकाणी बसण्याची / डाळीय असेल अशा ठिकाणी चर चौकचे जात नाहीत. कोकणाची परिस्थितीत बसची अड्डाची मध्ये येतार हाडोस च बसण्याची तोंडली जाऊ नये व हाडोस आहे अशा भागांमध्ये चर चौकली जाऊ नयेत यासाठी काळजी घेण्यात येते. साल्वाच्या कोकणमध्ये चर चौकालीये काम केले जात नाही. चरचे टोकापासून कलमणच्या तल्लकाली जमिनीच्या पुढभागापर एक मीटर लंबी वाड्याचे मिळीत केले जाते. जि जेव्हाकाल सातारातील जायत माली साल्वाच्या बसली जाताना जमिनीच्या पुढभागावरील मातीची धुल होण्या चरची बसली काळजी घेतली जाते. साल्वातील जमनीत प्रचण व हवाच्या पावसाच्या मोसमासाठी आणि कोकण व पश्चिम बंगाल मोसमाची कठोरपणे दोन वेगवेगळे चालू असतार कलमणत आले आहेत. अत्यंत प्रचण व हवाच्या पावसाच्या मोसमासाठी मोसमाची बसकण मोसमेचा समुहा च समुदायातील प्रत्यक्ष कलमणच्या कामात लवक लपडीत लपडीतचालते :-

१. श्रीवामण्ये इत्येव वामनस्य चराचरं आश्रयणी कञ्चन प्रतिद्वेषयती १२००० रजिग भीतर चर, यद्वेला ०.६० मी

Indexed & Referred to: Page 79



ਸੀ.ਐੱਸ. ਜੰਗਲੀਆਂ ਫਾਊਂਡੇਸ਼ਨ—ਪੇਂਡੂ —aunshing1666@gmail.com

[illegible]

भारतीय जनता पार्टी (BJP) की भारतीय राजनीति में प्रमुख स्थिति का प्रतिबिम्ब है। भारतीय जनता पार्टी (BJP) की स्थापना 1980 के दशक में हुई थी। यह पार्टी भारतीय राजनीति में एक प्रमुख शक्ति है। भारतीय जनता पार्टी (BJP) की स्थापना 1980 के दशक में हुई थी। यह पार्टी भारतीय राजनीति में एक प्रमुख शक्ति है। भारतीय जनता पार्टी (BJP) की स्थापना 1980 के दशक में हुई थी। यह पार्टी भारतीय राजनीति में एक प्रमुख शक्ति है।

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Impact of GST On Constituents Of Indian Economy

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Abstract :
Tax, in form of direct and indirect is the major source of income to the government. Indian economy is the witness for accelerating the growth in very short span of time. Chairman of 13th Finance Commission Dr. Vijay Kelkar, has suggested to have a rational, scientific and modern taxation system in line with developed nations. From the time behind the introduction of goods and services tax (GST) in India. Tax structure is planned and implemented in such a way that it leads to the development of country. A Taxation Structure which facilitates ease of doing business and taxing no-viable for tax-assessing brings prosperity in a country's economy. The Goods and services tax (GST) is the principal and associated indirect tax reform since 1987. Replacement of existing taxes like value-added tax, excise-duty, services tax and sales tax by the main idea of GST. It will be imposed on manufacture sale and consumption of goods and services. GST is expected to effect of the existing tax structure and result in unifying the country economically.

Keywords :
Direct and Indirect Tax, GST, Fiscal Federalism, Tax Reforms, Indian Economy.

Introduction :
Indian Taxation System comprises of Direct and Indirect Tax. Goods and Services Tax (GST) is one of the most compulsory Indian Taxation systems. The only source of financing to take the public goods because they cannot be priced appropriately in the market. They can only be provided by governments, funded by tax.

The concept of GST that is, goods and services is a Canadian value-added tax beyond the most dominant consumption. The tax is levied to provide revenue for the government. The GST is and by constituents, but it is levied and received in the government by business selling the goods and services.

At the national level GST is a full inclusive of indirect tax levy on manufacture, sale and consumption of goods as well as services. All indirect taxes which will be imposed on goods and services by Central and State government of India under GST. It is almost of being wide ranging for these goods and services.

GST in India included with integration of Indirect Tax which was strongly recommended by Vijay Kelkar in 2004.

In 1994 Rangdesh Report suggests the introduction of Value Added Tax (VAT) the taxing that Goods and Services in India.

In 2003, for the further discussion on GST started which was initiated by the Niyogee Government by forming authorised committee, the Finance Minister Asim Dasgupta of West Bengal led headed the group of designing the GST model and overseeing the IT back-end software for its rollout.

GST in India included with integration of Indirect Tax which was strongly recommended by Vijay Kelkar in 2004.

Later in 2006, Mr. P. Chidambaram Union Finance Minister encouraged towards GST in his Budget and directed to introduce it by 1st April, 2010.

Constitution (122nd Amendment) Bill introduced in the Parliament in December, 2014.

On 01st May, 2015, the Lok Sabha agreed the clause - delayed Constitutional Amendment Bill to introduce (GST) Goods and Service Tax. The new framework of it is extremely positive has taken into consideration the requirements of the common man.

In 2017, GST Council finalizing the GST Rules and GST Rates.

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Commerce Education In India : Opportunities And Challenges

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Abstract :
Indian education system is one of the most significant factors contributing to the economic development of India and Commerce education is considered as one of the popular career options for youths in India. It is the backbone of economy, trade and industry. This type of education focuses on developing people to make optimum utilization of available resources. The present paper is an attempt to highlight the issues and challenges before commerce education in India. Since last two decades a number of changes and developments have taken place in the social and political arena and as consequence, India being a developing country is facing new challenges to cope with, which put high demand on the educational system of the country.

Key Words : Commerce Education, Higher Education, Business Education, Indian Education System, Education System.

Introduction :
Throughout history, education has been one of man's most important activities. In fact, man cannot carry on government, family life, religion, or even a living without some sort of education. Education includes all the ways in which one person deliberately tries to influence the behavior of another person. Informal education involves learning from people such as family and other agencies in the social and physical surroundings. This type of education is incidental and not deliberately planned. Formal education is consciously planned. It is important through the process of formal instruction given by teachers in such institution as schools and colleges. The fate of commerce education in India has changed in the last one and a half decades. In fact, Commerce Education started with a view to prepare the manpower requirements of the industrial world at large. As a field of study, Commerce Education is almost a century old. It was first started in India in the year 1889. In the pre-independence era, it was treated as a centre for attraction with limited objectives of providing clerical and accounting personnel with an emphasis on training in typewriting, shorthand, letter-writing and business methods which ultimately helped due to growth in trade, commerce and industrialization and then became a part of the main stream of higher education in India. But in the context of rapid expansion and intervention of the business system coupled with competition in higher education, the importance of commerce education as a field of knowledge is declining day by day.

At present India is in a juncture of evolution involving social, cultural and economic changes etc. On one hand, the number of employment opportunities is declining, whereas on the other hand industry doesn't find commerce graduates up to the marks in terms of skills and knowledge. Thus, Commerce education need to be holistic, targeted and customized with aim to remove the gap that exist between industry requirements and academic curriculum focusing on attitude, corporate awareness, grooming and developing managerial skills. Therefore, it is the need of hour to re-orient and redesigning the commerce education in such a way that it will be relevant for society. Therefore, the government should try establish the new drifts to improve the educational system of the country.

Objectives of the Study

- To Study about the Scope for Commerce Education in India
- To Study about the issues and challenges to

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Worldwide International Interdisciplinary Research Journal (A Peer-Reviewed Refereed) ISSN – 2454 – 7905

MAKE IN INDIA: IMPACT ON INDIAN ECONOMY

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ABSTRACT :
The launch of ' Make in India' movement has a great impact on Indian Economy and growth of Indian Business sector, through the objective and strategies have different effect upon the economy and status of India in the world scenario. The paper traces the nature of Make in India economy. It outlines the changing context of economy and indicates changes in the nature of this movement.

KEYWORDS : Make in India, Growth, foreign direct investment, GDP Economy

INTRODUCTION:
Make in India is an international marketing campaigning slogan coined by the prime Minister Narendra Modi on 25th September 2014, to encourage the companies around the world to invest and manufacture their products in India. He has launched this ambition campaign with an objective to turn the country into a global manufacturing hub. To achieve a manufacturing led transformation, India would need to undertake a structured and planned approach in review manufacturing, gain global competitive advantage and gain global leadership. In order to succeed in this campaign, it was important to be open to capital and expertise from all over the globe and implementation of GST will make India one market and strengthen overall programme. Doing business in India today is much more difficult than elsewhere, but the government wants to change this. Several pressing issues prompted the launch of this campaign. First and foremost is India needs to robust its economy. After several years of gross national product growth averaging 7.7% between 2002 and 2011, this pace slowed down to around 5% in 2013 and 2014. Secondly India needs more jobs for its young people. Recently, on an average 5 million new jobs have been created each year, but around 12 million people join the workforce each year. India's labour force is expected to grow to 600 million by 2022. Job creation will fight poverty and help divert people from agriculture, which has a low capacity to sustain their livelihoods. Thirdly, India's economic development model has been quite peculiar, offering privileges to skilled labour often employed by foreign companies. That is why today manufacturing in China makes up 34% of gross domestic product. The Chinese have positioned themselves as the workshop of the world, accounting for 22.4% of global manufacturing while India accounts for only 2%. India's manufacturing sector is less productive compared to its competitors and accounts for only 15% of its GDP. The government has set a target of 35% of GDP by 2022.

OBJECTIVES:
1) To study Make in India concept.
2) To study the Impact of make in India on India Economy

Pillars of Make in India
Manufacturing in India is the main vision of the government and leads to national development. The initiative is built on four pillars which are as follows:
New Processes: The government is introducing several reforms to create possibilities for getting FDI and foster business partnership. This reform is also aligned with parameters of World Bank's Ease of Doing Business Index to improve India's ranking on it. Make in India recognizes ease of doing business as the single most important factor to promote entrepreneurship. A number of initiatives have already been undertaken to ease business environment.

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Optical Properties and IV characteristic of proton conductor solid polymer electrolyte

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†Department of Physics, Shri. R. K. Lakshmi Science College Mumbai, Dist. Amravati, (M.S.) India.

Abstract:
In the present work proton conductor solid polymer electrolyte was prepared by solution cast technique. The dc conductivity was obtained from I-V characteristics by using Keithley 6487 picoammeter/voltage source meter instrument at various constant temperature. UV-Vis Double Beam Spectrophotometer in the wavelength range (190-700) nm were used to investigate the optical properties. It was found that the energy band gaps are decreased upon the increase of salt concentration. This is explained in terms of charge transfer complexes between the dopant and host matrix.

Keywords: Polyvinyl alcohol, Ammonium Iodide, Optical properties

Introduction:
In recent year, there has been increase in focus on replacing traditional aqueous electrolyte by solid polymer electrolyte. Due to flexibility electrochemical stability, long life etc. Among solid polymer electrolyte proton conducting polymer electrolyte have receive considerable very much attention due to their large applications. Polyvinyl alcohol (PVA) is commercial availability, dopant dependent electrical and optical property, good film forming ability, mechanical strength, low cost etc. It has carbon chain backbone with hydroxyl group attach to the methine carbon. PVA is a nontoxic and water-soluble polymer having good charge storage capacity [1]. The electrical and optical properties of polymers can be modified by the addition of suitable dopants. [2-6]. This paper presents the results of investigations on the electrical and optical properties of NH₄I doped PVA films.

Experimental technique
In the present study, polyvinyl alcohol, ammonium iodide and deionized water were used to prepare solid polymer electrolyte. A solid polymer electrolyte system based on polyvinyl alcohol (PVA) with ammonium iodide (NH₄I) was prepared using solution cast technique. The film of pure and different composition of PVA -NH₄I has been prepared by solution cast technique. In this technique, appropriate amount of PVA and NH₄I have been dissolved individually in deionized water. These solutions have been mixed together in different molar ratio and stirred well by using magnetic stirrer for 10-12 hr to obtained homogeneous mixture. The obtained mixture is casted in petri dish. The whole assembly was placed in dust free chamber. The solvent was allowed to evaporate slowly at room temperature for 3-4 days. The films have been formed with uniform thickness.

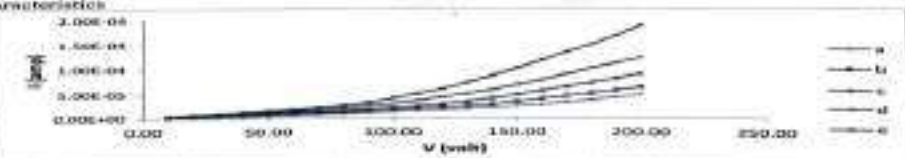
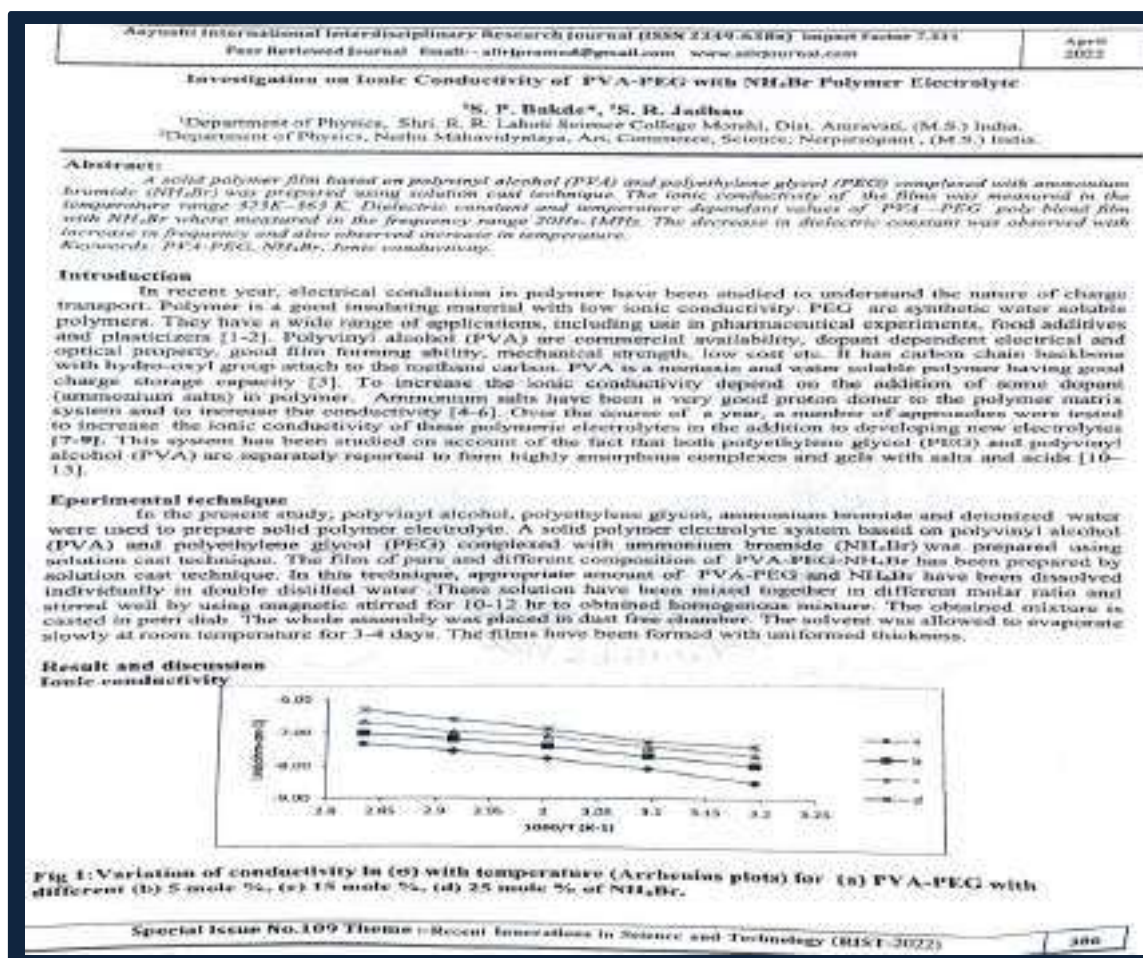
Result and Discussion:
I-V Characteristics


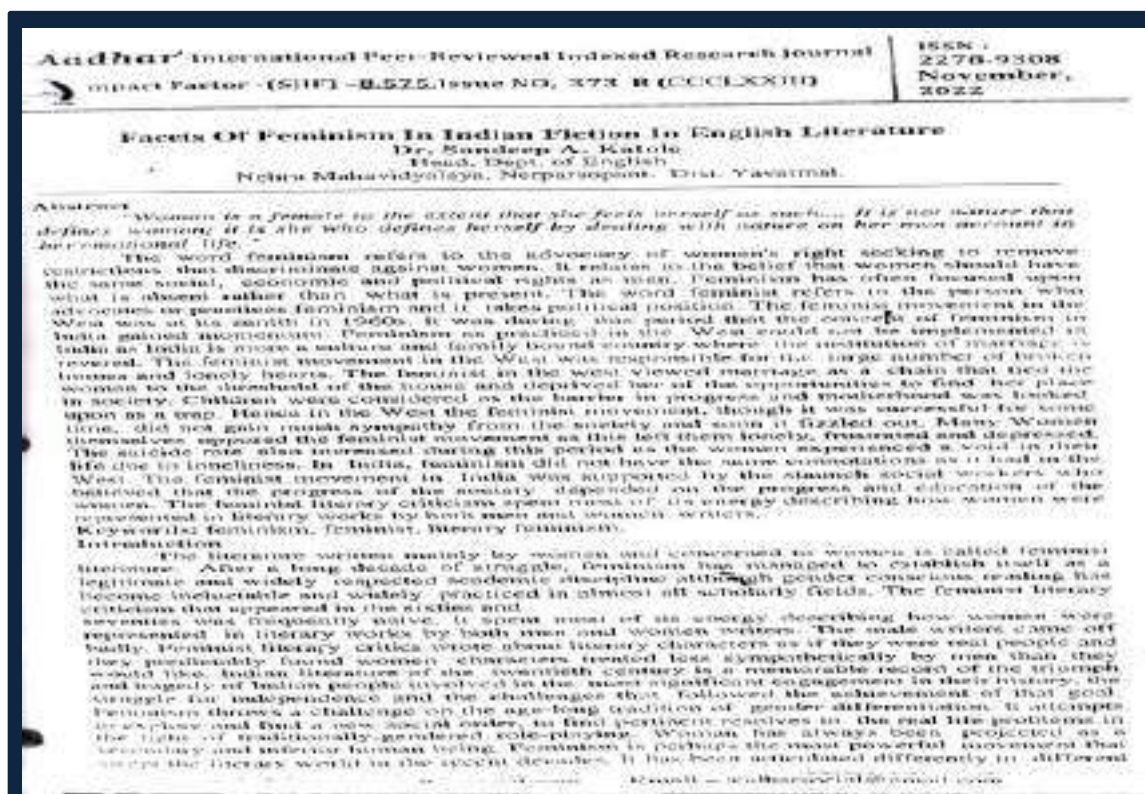
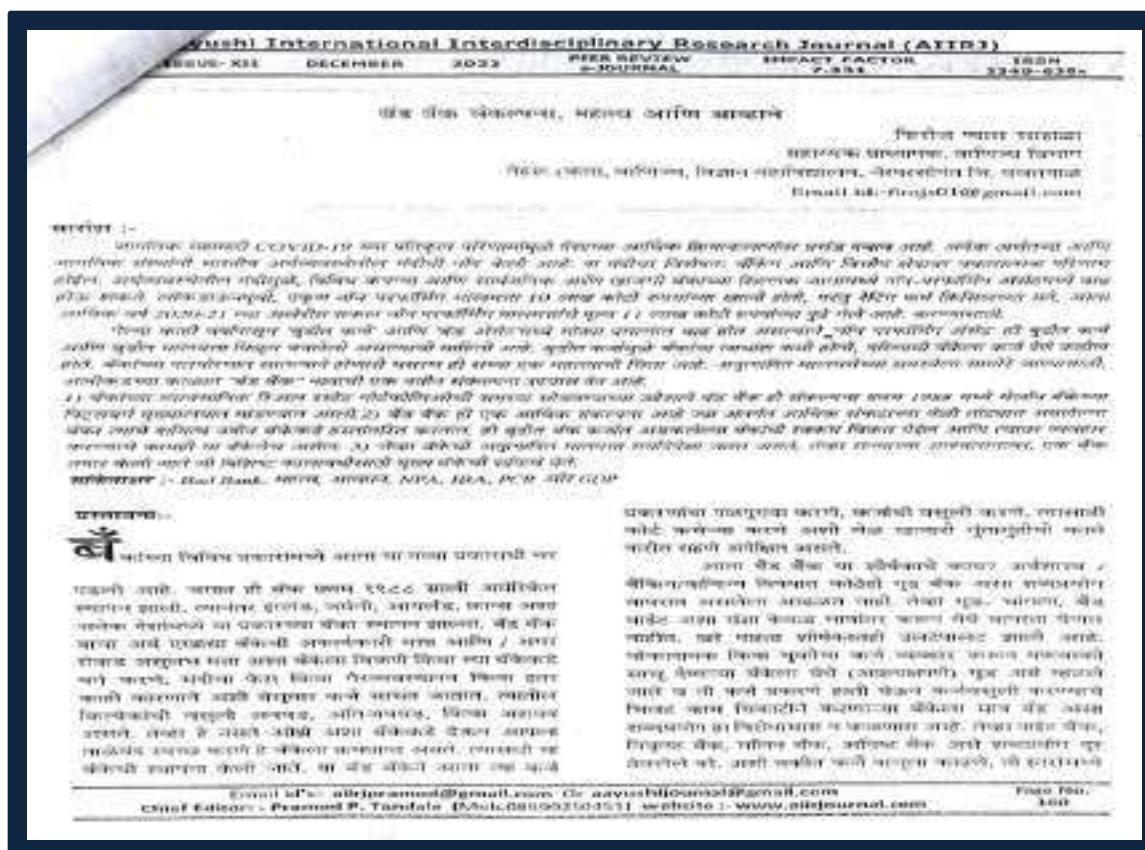
Fig 1: Variation of current (I) with voltage (V) for PVA with different (a) 5 mole %, (b) 10 mole %, (c) 15 mole %, (d) 20 mole %, (e) 25 mole % of NH₄I.

Current (I) with Voltage (V) characteristics of polyvinyl alcohol with ammonium iodide of different mole percent as shown in figure (1). The current increases linearly with applied voltage and followed ohmic conduction [7]. But in fig 1 when added the concentration of ammonium salts the current increases nonlinearly with applied voltage and absence of Ohmic conduction this mechanism is very different in nature.

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Year 2022-23



प्रश्नालय व साद्विनीशास्त्र संशोधनामध्ये गृहीतकृत्य
(Hypothesis) ची महत्त्व व उपयोगिता

सुरेश निरानाथ ढंगळे

Discussion

निदेशक: महाशयिपुत्राचार्य,

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प्रा.सौ. संजय जगन्नाथराव शीणमारे

DISCUSSION

भा.उ.प.सं.वि. भौतिक विज्ञान शाखा की महाविद्यालय

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संविधानसभा के अध्यक्ष : द्र. राजेन्द्र प्रसाद

STICHT

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TABLE 1. *Continued*

पुष्पितकुलभाभी भारी—अमरभाभी, पुष्पितकुलभाभी, अमर, शुद्ध, पुष्पितकुल, पुष्पितकुलभाभी, भारी

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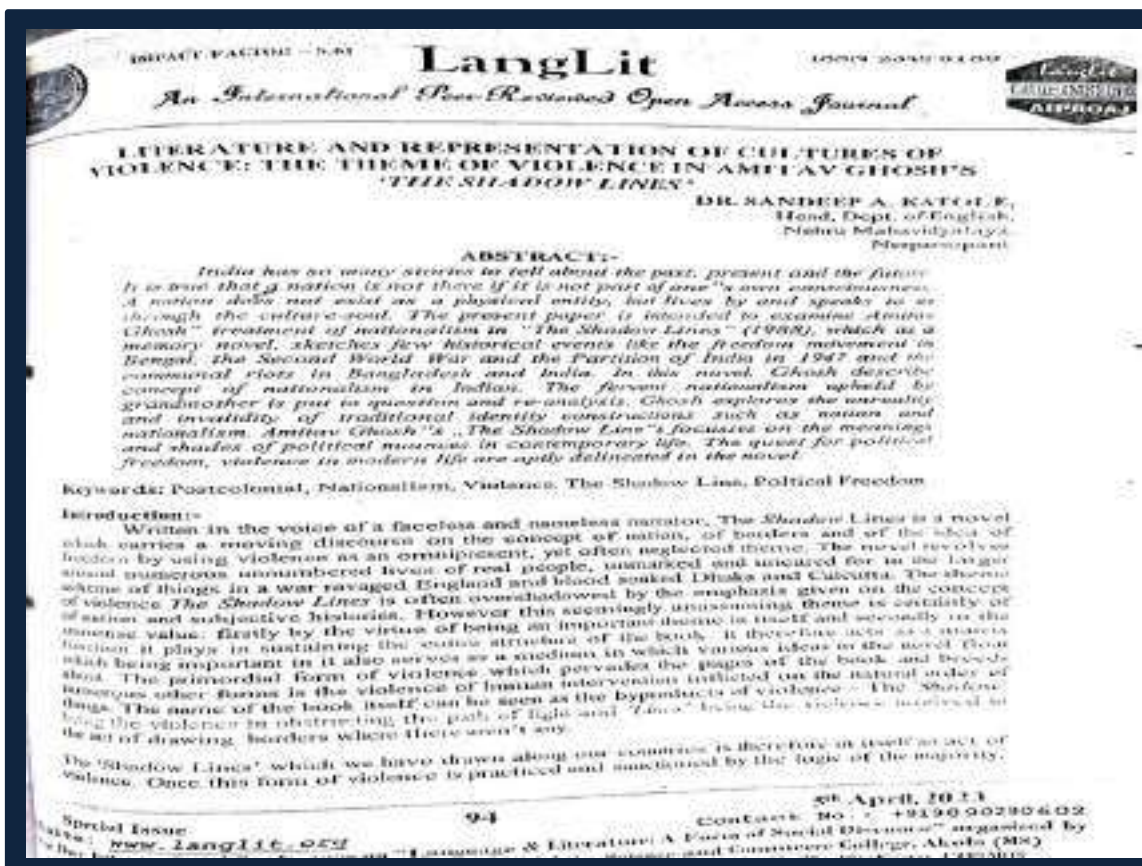
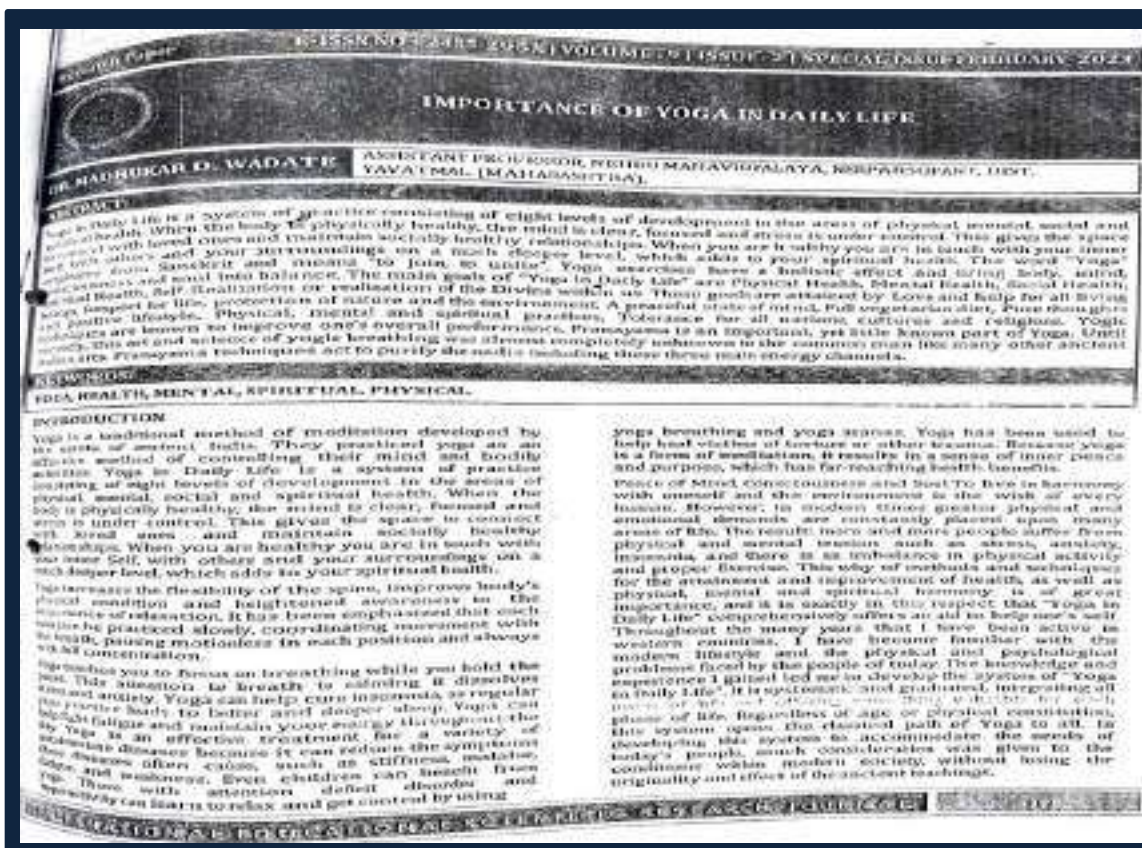
The Role of Indian Writers and Their Contribution in the Contemporary World Literature-An Elucidation

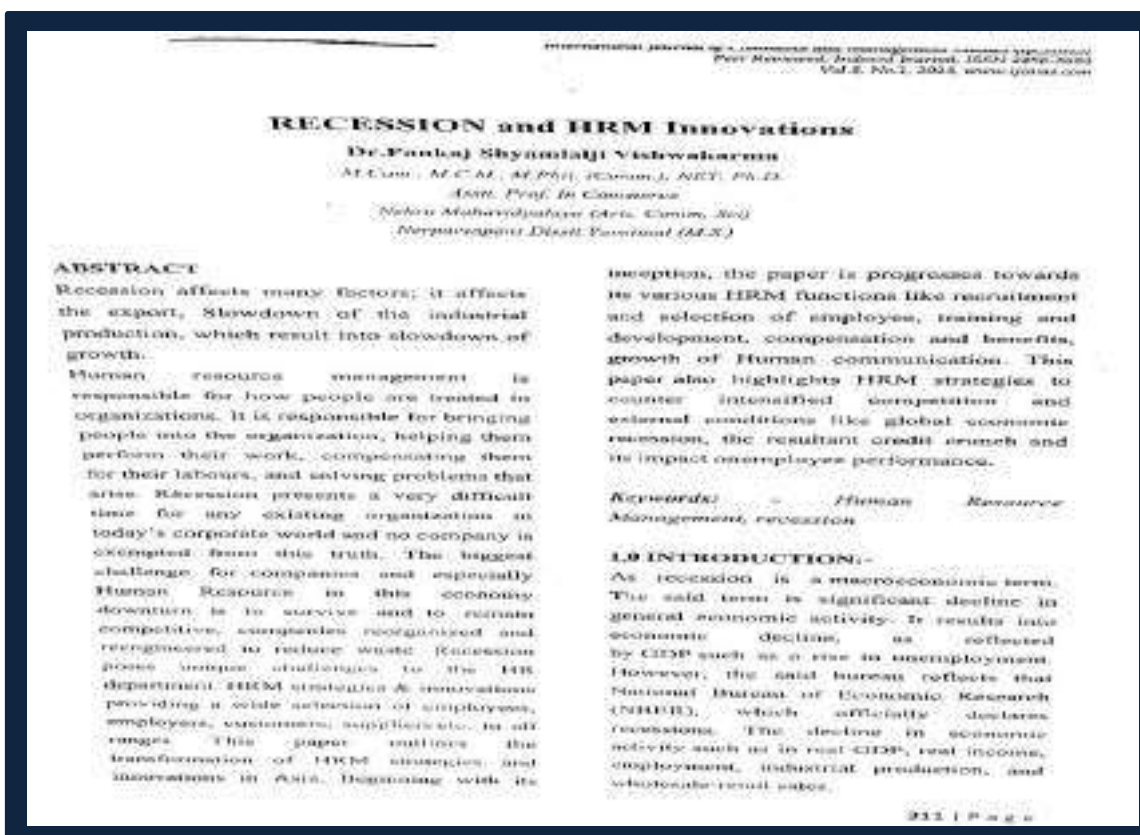
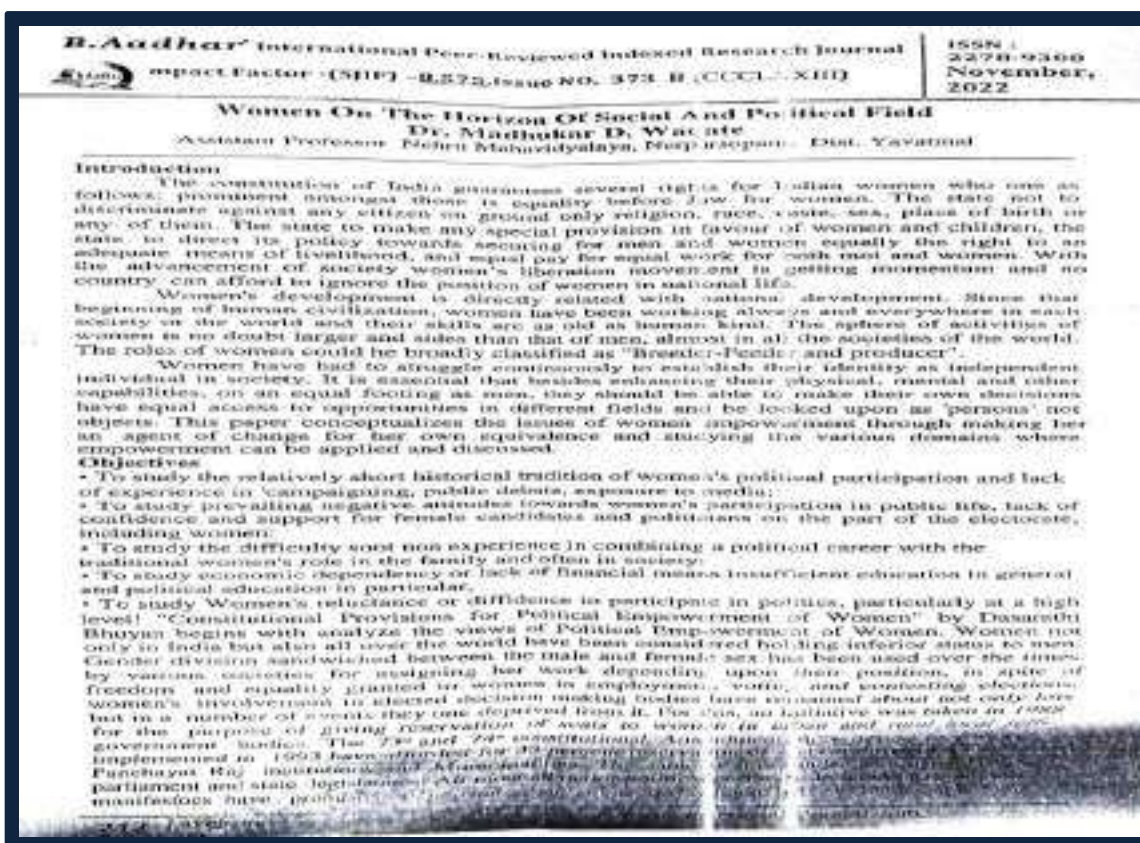
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ABSTRACT

Indian Writers in English have made the most significant contribution in the field of the English novel. Indian novel has grown considerably in both variety, and maturity. The development of Indian novel follows certain literary patterns, and it is not difficult to trace its gradual progression from the imitative stage to the realistic to the Psychological to the experimental stage. In the growth and development of Indian English novel, the 1980s occupy a unique position. During this period some very promising novelists published their first works. Some old masters also came out with works, which show that their creative powers have been intact all along. It is during the 1980s that Indian novelists, read unheard of honours and distinctions not only in India but abroad. The works by these novelists, like third generation novelists, speak eloquently about their originality and unbridled inventiveness. Indian English literature is now a reality, which cannot be ignored. During the recent decades, it has attracted a widespread interest both in India and abroad. What began as a "hot-house plant" has now attained a luxuriant growth, branching off in several directions. The Indian writers have made the most remarkable contribution to the sphere of fiction, which as Mulk Raj Anand says, has "come to stay as part of world literature." An idea of the true potential of this form of literature in India can be had by comparing the early novels by Indians with the recent arrivals in the same field of literary creation. However, Indian writing in English in the Contemporary Literary Scenario enjoys equal status with the literatures of the other countries. Indian writers have made their voice heard around the World in the Indian way, expressing too artistically. Moreover, Indian Writers in English too in the recent times have managed to excel in all areas of literature and achieved global recognition.

Keywords: *Ethiopian contribution, third generation novelists, eloquently, widespread, contemporary, global recognitions, recent times, excel around the world.*





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Global Slowdown – Slowdown of Growth

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Abstract
Current Scenario: World Bank slashes its economic forecast on high inflation, rising interest rates and Russia's invasion of Ukraine. World Bank's latest forecast points to a "sharp, long-lasting slowdown". Growth pegged at 1.7 percent.
Recession affects many business: it affects the export, slowdown of the industrial production, which leads to the slowdown of growth.
Human resource management is responsible for how people are treated in organizations. It is responsible for bringing people into the organization, helping them achieve their work, compensating them for their labours, and solving problems that arise. Recession presents a very difficult time for any existing organization in today's corporate world and no company is exempted from this truth. The biggest challenge for companies and especially Human Resource in this economy downturn is to survive and to remain competitive. Companies reorganized and reengineered to reduce waste. Recession poses unique challenges to the HR department. HRM strategies & innovations providing a wide selection of employees, employers, customers, suppliers etc. in all ranges. This paper outlines the transformation of HRM strategies and innovations in Asia. Beginning with its inception, the paper is progresses towards its various HRM functions like recruitment and selection of employee, training and development, compensation and benefits, growth of Human communication. This paper also highlights HRM strategies to counter intensified competition and external conditions like global economic recession, the resultant credit crunch and its impact on employee performance.
Keywords: Human Resource Management, recession

2.0 Introduction :
A recession is a macroeconomic term. The said term is significant decline in general economic activity. It results into economic decline, as reflected by GDP such as a rise in unemployment. However, the said survey reflects that recession Human of Economic Research Center, which officially declares recession. The decline in economic activity such as as GDP, real income, employment, industrial production, and wholesale-retail sales.
What is a Recession?
It is a period that describes a period of economic decline in a country. It is a temporary phase where we will see a decline in trade, industrial activity, employment, etc. Generally, when the GDP (Gross Domestic Product) of a country falls a decline for at least two consecutive financial quarters we can identify this phase as a recession. In this recession, the economic performance of the economy declines. Businesses across the country will suffer the effects of the recession. The government too will be helpless in an extent. Take for example the global recession of 2007-2009. It started due to the housing market bubble in the USA, but the global economy suffered and its adverse effects were seen in India as well.
Results of a Recession
Some factors have been identified that may cause an economic slowdown in a country that ultimately results in a recession.
1) High Bank Rates: When the rate of interest is very high, there is not much liquidity in the market. So the levels of investment will fall, leading to economic slowdown. We saw this in 1980 in the USA, when the rates were raised to tame stagflation. The interest rate resulted in a recession.
2) Stock Market: In a bear market, investors will pull money out of the stock market. This will drain capital out of the businesses and cause an economic slowdown. Crashes in the stock market are very harmful to the economy.

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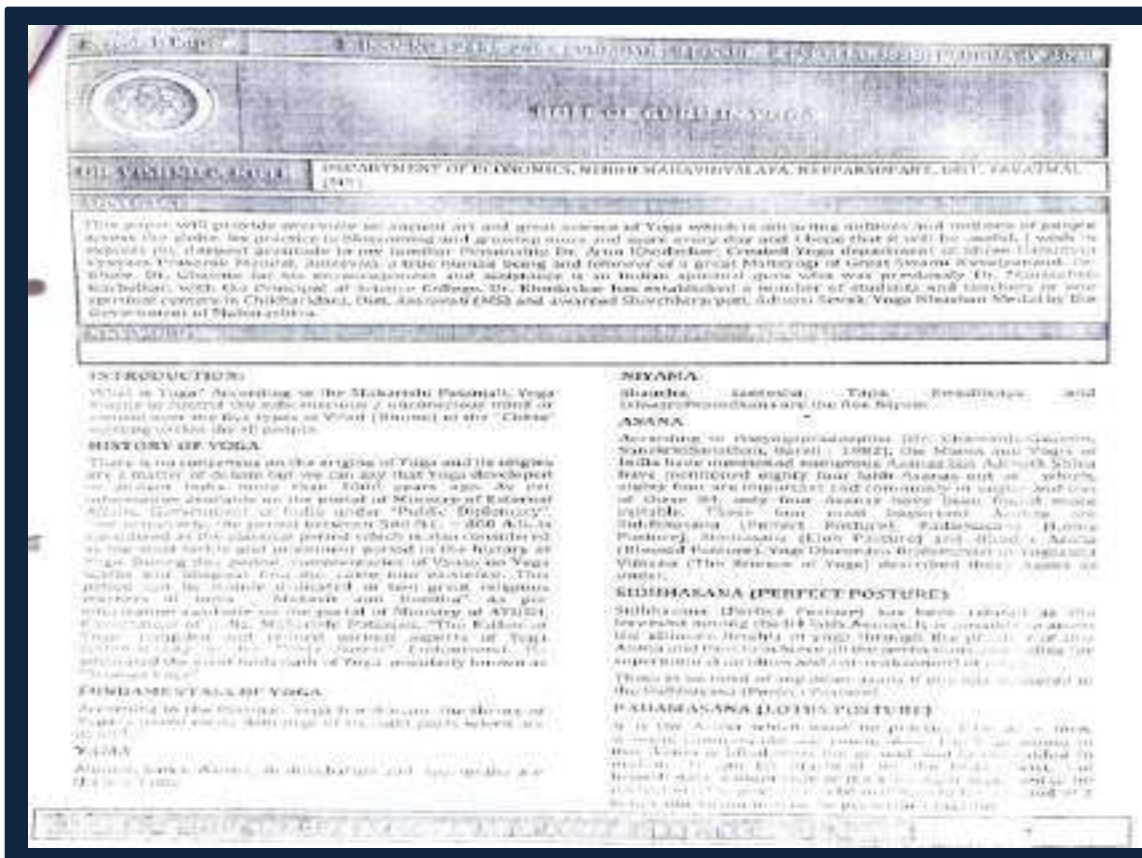
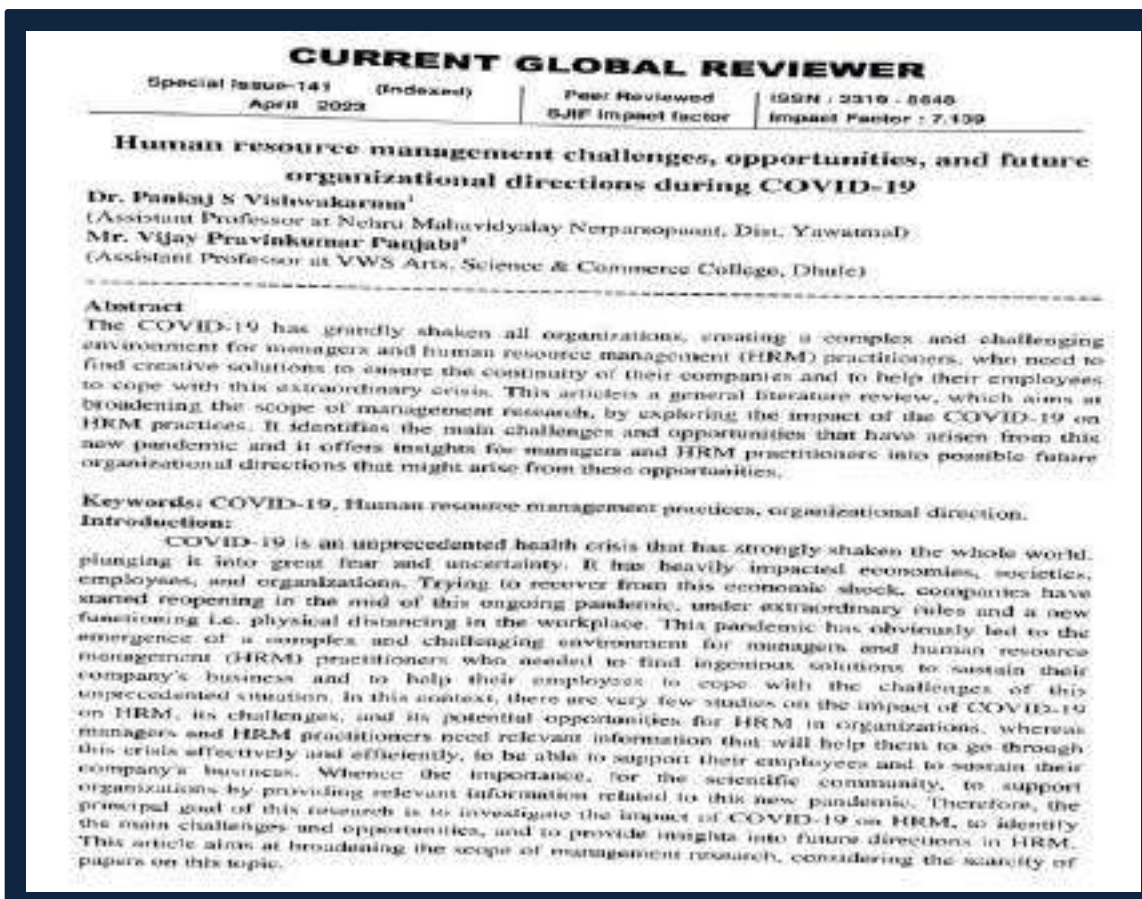
ROLE OF HR IN EMPLOYEE MANAGEMENT DURING RECESSION

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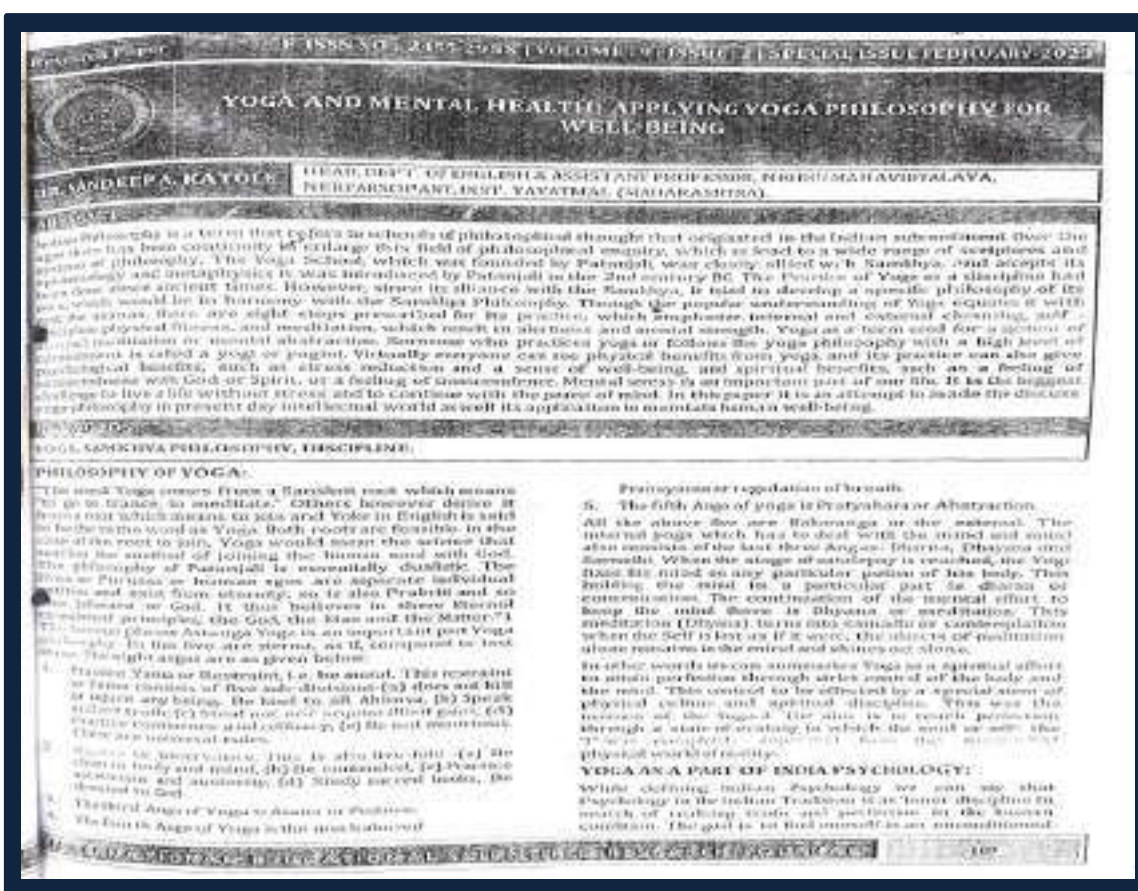
Abstract :
Human resource management is responsible for how people are treated in organizations. It is responsible for bringing people into the organization, helping them perform their work, compensating them for their labours, and solving problems that arise. Recession presents a very difficult time for any existing organization in today's corporate world and no company is exempted from this truth. The biggest challenge for companies and especially Human Resource in this economy downturn is to survive and to remain competitive. Companies reorganized and reengineered to reduce waste. Recession poses unique challenges to the HR department. HRM strategies & innovations providing a wide selection of employees, employers, customers, suppliers etc. in all ranges. This paper outlines the transformation of HRM strategies and innovations in Asia. Beginning with its inception, the paper is progresses towards its various HRM functions like recruitment and selection of employee, training and development, compensation and benefits, growth of Human communication. This paper also highlights HRM strategies to counter intensified competition and external conditions like global economic recession, the resultant credit crunch and its impact on employee performance.
Keywords : Human Resource Management, recession

Introduction :
HRM Innovations in Recession "The recession is about the creative Human Resources Management. The HRM Function is asked to bring new ideas, to change the HRM Processes and to develop or change the procedures and this effort has to be cheap or free to cut the costs of the organization. The HRM Innovation is easy in times of the business growth, but the recession is not good for big innovative HRM initiatives. On the other hand, the top management understands the effort to innovate the HRM Processes better. The top management is in the search for the potential cost savings and they count every single penny brought by the line management. The HRM Costs are usually a very significant cost to the organization and the HRM Function has to be proactive. The HRM Function has to focus on unpopular innovations during the recession as the role of Human Resources during the recession is to save money to the organization. The top management expects all the support

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१८५० ते १९५० या शभर वर्षांच्या
कालखंडातील स्वीयांच्या
साहित्यातील रचनाणीव

महाराष्ट्र विधानमंडल

निष्कः मन्त्राधिकारम्, निष्कसोपरा, मि नमस्तस्मात्

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1. *Broadband Highways*
2. *Universal Access to Mobile Connectivity*
3. *Public Internet Access Programme*
4. *e-Governance – Reforming Government through Technology*
5. *eKranti – Electronic delivery of services*
6. *Information for All*
7. *Electronics Manufacturing*
8. *IT for Jobs*

Social Reformers of India and Their Contributions

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ABSTRACT:-

Any society consists of diverse and different types of persons; persons with other religions, different castes, different colors, different gender, different faiths, etc. And it is expected that they all should live in harmony and without discrimination; an ideal situation is when there is equality, freedom, and brotherhood among all sections of society.

However, human society all over the world shows that various types of exploitative practices are prevalent there; these practices originated due to human greed for power, authority, and superiority; such as so-called higher caste people would exploit so-called lower caste persons; a white would use a black; males would like to dominate females; believer of one religion would downgrade other religions, etc. These discriminatory and exploitative practices take the form of social evils in the long run and become a scar on the face of any civilized society. Every country in its history has had numerous bright individuals who would live and work for the progress and upliftment of the downtrodden persons in the society; due to their efforts, it became possible to abolish several extreme social evils such as racism, sati pratha, etc.

In this article, we will study the life and works of various great social reformers of India; we will also try to understand what a social evil is, its causes, who is a social reformer, etc.

Keywords:- traditions, beliefs and practices, religious reform, manifestation.