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4.	Total number of full-time teachers	19





1. Description

Incorporating a research component along with a sound academic foundation enables the teachers to develop critical thinking along with oral and written communication skills. The research process helps to achieve valuable learning objectives that have lasting influence on the faculty members. Various research activities under the guidance of the research committee are being conducted in the Institution and inorder to promote research; teachers get their research papers published in the various journals notified on the UGC website. Participation in research through research publication benefits the teachers in the areas that reach beyond academia which in turn helps to understand how knowledge is constructed and developed. The teachers also get a platform to publish their research papers which results in enhancing their ability to integrate theory with practice.





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2. <u>List of Research Papers</u>

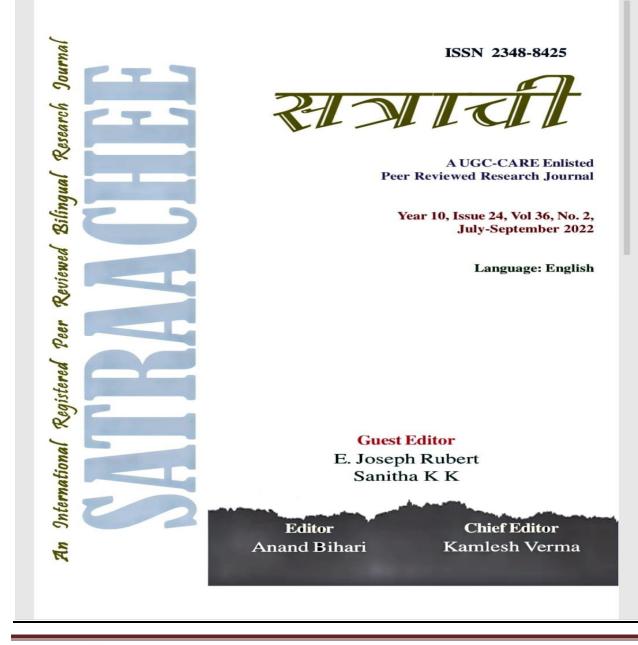
3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the year **Title of paper** Name of the Department Name of journal Year of ISSN author/s of the publication number teacher Role of Mr. Amit Department Satraachee July - September 2348-Behal 2022 8425 Multilingualism in of Political Present Era of Science Globalisation Global Mr. Amit Department Satraachee April - June 2348-Environmental of Political Behal 2023 8425 Issue: Water & Science **Energy Crisis** PCMA of Journal of The Future of Dr. Seema Department January - June 0974-Artificial Rani & Mrs. of Business **Business** 2023 9977 Intelligence in Usha Goyal Management (Print) Banks in India & Commerce Agriculture 4.0: 2581-Ms. Neha Department International Journal of January - March Thakur 2023 7930 India Towards of Business Advanced Research in Agritech Commerce Management Management & Commerce & Social Science





3. Proofs of Research Paper publication

• <u>Mr. Amit Behal</u>







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Role of Multilingualism in Present Era of Globalisation

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Amit Behal¹⁹

0 Gurpreet Singh²⁰

Abstract:

In the words of Audrey Azoulay, Director-General of UNESCO- "Technology can provide new tools for protecting linguistic diversity. Such tools, for example, facilitating their spread and analysis, allow us to record and preserve languages which sometimes exist only in oral form. Put simply, they make local dialects a shared heritage. However, because the Internet poses a risk of linguistic uniformization, we must also be aware that technological progress will serve plurilingualism only as long as we make the effort to ensure that it does." According to United Nations Educational, Scientific and Cultural Organisation (UNESCO), this year's theme is "Using technology for multilingual learning: Challenges and opportunities". Vice President Venkaiah Naidu while greeting people on International Mother Language Day (February 21, 2022) has rightly opined that "The linguistic diversity that coexists with hundreds of languages is owned by Indians. Language is the key to our creative thinking and expression. We all have a responsibility to preserve, promote and pass on our mother tongue to future generations. I call on parents and teachers to take the initiative in this regard."

"If you talk to a man in a language he understands, that goes to his head. If you talk to him in his language, that goes to his heart" - Nelson Mandela.

We are living in a globalized era where the Globalization has pervaded virtually every sphere of human life today. Increased flow of information owing to advances in information technology has made it possible for people from all over the world to interact and exchange ideas. Further, globalization has led to increased labour mobility as the number of multinational corporations rise with each passing day. This has led to people being deployed in different parts of the world away from their home countries. In such settings, one thing that has become increasingly pertinent is the need to know more than one language. Multilingualism is inevitable today. For one to fit in the contemporary society characterized by an unprecedented interconnectivity, knowledge of more than one language is not only an added advantage, but also almost a must. It enables one to interact with peers from all over the world effectively and with ease.

Saturacher :: ISSN 2348-8425 :: 109







UGC Care Enlisted, Peer Reviewed Research Journal Issue 27, Vol. 39, No. 2, April-June, 2023

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Global Environmental Issues: Water & Energy Crisis

Amit Behal

Associate Prof. & Head Dept.of Pol. Sc., Guru Nanak College, Killianwali District Sri Muktsar Sahib (Pb.)

Abstract:

There is also a fracture between the present and future. There is a divide between the requirements of today and the needs of conservation for the future. The challenges are multifaceted and they are all around us. However, the only hope is that we all want to tackle them. We want to see a co-operative, harmonious, sharing and caring world. In fact, this is where the hope lies. Gandhi Ji also used to say there is enough in Nature for your Need; but not for your greed. In our culture, we treat the Nature as our mother. We also believe that man only has the right to milk it; not to destroy it. That is why, through the Paris Agreement, we have assured the global community that our development process would be entirely in line with our cultural ethos towards environmental safeguards. In fact, we are not only aware of our responsibilities towards climate change; we are willing to take lead in mitigating its effects. To demonstrate sustainability of our development process, we have made major commitments. We are having a holistic attitude towards World Body UN and its efforts to reduce carbon footprints by celebrating the World Environment Day on June 05 and other such like events every year. Due to this belief, we have learnt to live in a way that is conducive to existence of man vis a vis man as well as Nature; which is conducive to the needs of today as well as next generations.

"We know how to live in sync with nature. We love nature. The environmental problems confronting the world today... We have a way to resolve the problem of global warming. Our ancestors have shown it to us. India has a solution to the problem of global warming and other environmental issues confronting the world today."- P.M. Modiaddressing the nationon the 76th Independence Day.

Introduction:

An environment is generally defined as the surroundings or conditions in which a person, animal or plant survives or operates. An Environment is everything that is around us, which includes both living and non-living things such as soil, water, animals and plants, which adapt themselves to their surroundings. It is nature's gift that helps in nourishing life on Earth. The environment plays an important role in the existence of life on the planet

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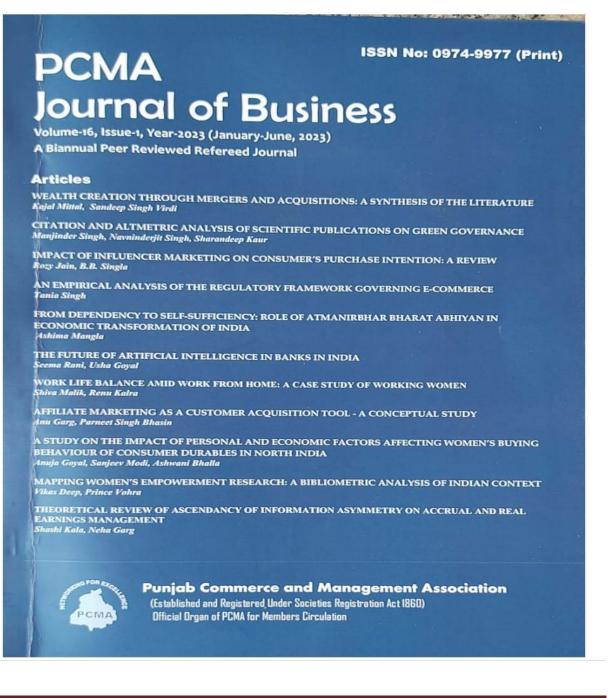




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Mrs. Usha Goyal







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PCMA Journal of Business PCMA Journal (January – June), Year-2023 Peer Reviewed Refereed Journal PP: 37-42

ISSN No: 0974-9977

THE FUTURE OF ARTIFICIAL INTELLIGENCE IN BANKS IN INDIA "Seema Rani ""Usha Goyal

*Associate Professor Commerce, Guru Nanak College, Killainwali, Distt. Sri Muktsar Sahib

"Associate Professor Commerce, Guru Nanak College, Killainwali, Distt. Sri Muktsar Sahib

ABSTRACT

The banking sector is gearing up to look beyond the pandemic to harness growth potentiality. The nuance of challenges is The banking sector to get the performers, is now compounded with unprecedented Covid induced changes. A look at the evolving landscapes of the financial sector to work out future strategies in banks will be interesting. Amid the rapid evolving landscapes of the financial sector to work out future strategies in banks will be interesting. Amid the rapid financial sector changes, the banking sector too has been rapidly coping with the evolving ecosystem. The metamorphosis in banking is further lead by technological innovation and regulatory interventions making way for faster transformation. In addition to the traditional Bank branch network pegged at 1,50,207 in March 2021, the alternate delivery channels are fast outpacing presence and strengthening the infrastructure and capacity building on a durable basis providing greater customer convenience on the go. This study throws light on current applications of Artificial intelligence (AI) in the banking sector, how it is changing its and the various challenges faced by the banking industry in India. banking sector, how it is changing its and the various challenges faced by the banking industry in India.

Keywords: Banking Sector, Artificial Intelligence, Data Analytics, Customer's Financial sector.

INTRODUCTION

At has crept into our everyday life even without our knowledge. To quote an example, online shopping sites start to display Al has crept into our everyday life even without our knowledge. To quote an example, online shopping sites start to display products based on earlier searches or browsing history. AI is disrupting every sphere of life, whether it is spending or saving, travelling, work environment, healthcare, entertainment, or shopping. AI has made in road impact on our lives in a big way. Banking is no exception where AI is making inroads in every sphere from customer acquisition to recovery. The banking industry is witnessing round breaking changes: foremost being the rise in customer-centricity. Tech savvy customers exposed to advanced technologies in their day to day lives expect banks to deliver seamless experiences. To meet these expectations, banks have expanded their industry landscape to retail, IT and telecom to enable services like while there advancement have a grant transfer. While these advancements have available output output meet these expectations, banks have expanded their industry induscape to retain, if and teleconr to chaote services inke mobile banking, e-banking and real-time money transfers. While these advancements have enabled customers to avail most of the banking services at their fingertips anytime, anywhere, it has also come with the cost of the banking sector. The study gives an insight into the concept of Artificial Intelligence in Banks, influence of artificial intelligence in the banking sector, AI is changing the face of modern day banks and challenges faced by banking sector in India.

WHAT IS ARTIFICIAL INTELLIGENCE (AI) ?

Al broadly refer to the development of machines or system that can perform complex tasks normally considered to required 'intelligence' and previously thought to be the exclusive domain of humans. Al can also be defined as a system that can perceive the world around it, process and analyse the information it receives, take action based on that understanding, and improve its performance be learning from previous happenings. Al is creating the biggest technology revolution the world has ever seen. It will enable bank and FIs to redefine how they work, how they create innovative products and services, how they transform customer experiences.

OBJECTIVES OF THE STUDY:

- i. Understanding the concept of Artificial Intelligence in Banks.
- ii. To study the influence of artificial intelligence in the banking sector and how AI is changing the face of modern day banks.
- iii. Challenges of Artificial Intelligence adoption in banking.

RESEARCH METHODOLOGY:

This is a descriptive study based on secondary data as the present state of artificial intelligence is in lighted by using the facts and information already collected. So, for the purpose of present study, the data was extracted from the various newspapers, journals, research articles, research reports and websites particularly from Fintech reports, NITI Aayog etc. The data has been compiled as per the need of the study

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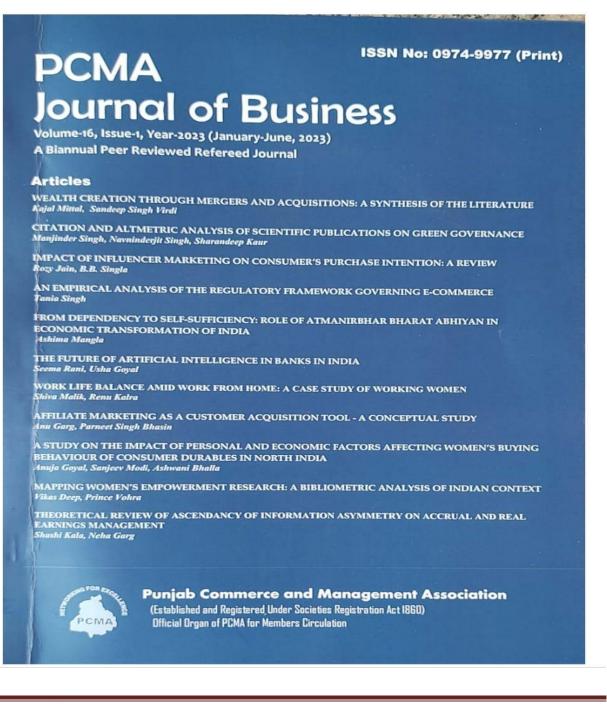




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PCMA Journal of Business volume-16, Issue-1 ((January – June), Year-2023 PP: 37-42

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Principal Effects

Killianwali (Sri Muktsar Sahih)



Ms. Neha Thakur







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INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN COMMERCE, MANAGEMENT & SOCIAL SCIENCE (IJARCMSS)

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International Journal of Advanced Research in Commerce, Management & Social Science (IJARCMSS) ISSN :2581-7930, Impact Factor : 6.809, Volume 06, No. 01(III), January-March, 2023, pp 95-100

AGRICULTURE 4.0: INDIA TOWARDS AGRITECH

Neha Thakur*

ABSTRACT

While agricultural and supply chain inefficiencies persist, keeping farmers small and marginal, the country is catching up with global trends in both consumption (organic, healthy, and convenient) and concerns for sustainability. There is an immediate need for disruption in the industry led by technology, as it has the ability to solve scale difficulties, minimize knowledge asymmetry, and enable for supply chain disintermediation to make farming more profitable, inclusive, and egalitarian. Despite being one of the world's top five agricultural economies, India's agriculture is at a critical crossroads. This sector has a number of issues, including low yields in major crops relative to global averages, limited market access, low produce pricing, and limited water availability which can be resolved by technology. The study through review of published articles, government policies and expert pieces tries to examine the stand of India on adoption of digital agriculture and various government initiatives in this direction. The study identifies various obstacles to digital agriculture and shows the need to go for agriculture 4.0 and barriers to it prevailing in the country. The future of digital agriculture and key game changing technologies are also discussed in the study.

Keywords: Agriculture 4.0, Information Technology, Digitalization, India, Farmers.

Introduction

The agriculture sector is one of the most important industries in the Indian economy, with a current worth of US\$ 370 billion. Over the years, the government has taken significant initiatives to assist and improve the agriculture sector, including the use of proven farming technologies and supportive regulations. In some ways, the Government of India's push to attain the objective of Doubling Farmer's Income (DFI) by 2022 embodies the necessity to pursue all conceivable methods of enhancing agricultural productivity and profitability of farmers. The current advancement of digital technology in farming will accelerate growth by ensuring higher crop yields and improving sustainability by reducing water consumption and pesticide use. Artificial intelligence (AI) and machine learning (ML), remote sensing, big data, block chain, and Internet of Things (IoT) are revolutionizing agricultural value chains and modernizing processes. While other countries, including the Netherlands, the United States, Australia, and Israel, have effectively adopted and utilized digital solutions to revolutionize agriculture, India is still in its early stages for such technological agricultural adoption. The Public-Private Partnership (PPP) mechanism is expected to foster future adoption of digital agriculture in India.

Research Methodology

The study is based on published research articles, government policies, and expert pieces from the last five years in order to capture the most recent changes on each subject and parameter.

Other published works are also explored with keywords such as agriculture 4.0, information technology in agriculture, artificial intelligence in agriculture, internet of things in farming and others. The search included all articles ranging from exploratory, qualitative, and quantitative studies.

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