



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

.3.3.2

INDEX

Sr. No.	Name Of The Document	Page No.
1.	Description	2
2.	List of Research Papers	3-5
3.	Proofs of Publication of Research Papers	6-41
4.	Total number of full-time teachers	42



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

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 in order 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.



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

2. List of Research Papers

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 author/s	Department of the teacher	Name of journal	Year of publication	ISSN number
Academic Achievement and Self-efficacy of under graduate students in relation to Educational Mobile Apps Usage	Mrs. Harpreet Kaur & Dr. Surinder Singh	Principal	Journal of Education: Rabindra Bharati University Peer Reviewed and Referred Journal Vol : XXII, No. 1,2021	2021	0972-7175
A Study of Resilience among Teacher and Dance Performing Arts Students	Ms. Pooja Sharma & Dr. Surinder Singh	Principal	Journal of Education: Rabindra Bharati University Peer Reviewed and Referred Journal Vol : XXII, No. 1,2021	2021	0972-7175
Short Term Skill Development Courses for Educational Institutions : Need of the Hour	Mr. Amit Behal	Department of Political Science	Shodh Samiksha Aur Mulyankan, Vol: I, Issue-12	Dec-21	0974-2832



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

Citizenship Amendment Act (CAA) - Whether Indian Democracy is in battle with its Constitution....?	Mr. Amit Behal	Department of Political Science	International Research Mirror, Vol-I, Issue-06	Jun-22	2250-253X
Challenges faced by E-Commerce Industry due to COVID-19 in India	Dr. Seema Rani & Mrs. Usha Goyal	Department of Business Management and Commerce	The Journal of Oriental Research Madras, Vol- XCII-XXXVI	Jul-21	0022-3301
Impact of Artificial Intelligence on Indian Banking Sector	Mrs. Usha Goyal & Dr. Seema Rani	Department of Business Management and Commerce	Anvesak A Biannual Journal, Vol- 51, No.1 (IX)	Jan-July 2021	0378-4568
Sabhiyachaar ate Punjabi sabhiyachaar.	Dr.Khushnasib Gurbakhshish kaur.	Department of Punjabi	Antar raashtri journal punjabi bhasha,Saahit ate sabhiyaachar	December,2021	2371-431X
Punjabi kissa kaav vich naikaavan di stithi te sankalp(Naarivaad de sandarb vich)	Dr.Khushnasib Gurbakhshish kaur.	Department of Punjabi	Shabad boond.	March,2022	2456-544X
Aalochna:lekhak di samaajik bhumika	Dr.Khushnasib Gurbakhshish kaur.	Department of Punjabi	Chiraag	April-september ,2022	2349-3658



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

Production Problem with the conception of task (Job) block criteria	Dr. Payal Singla	Department of Mathematics	Advance in Mathematics: Scientific Journal	Jul-05	1857-8365
3- Stage Production Scheduling with the concept of Set-Up Time Including Arbitrary Lags	Dr. Payal Singla	Department of Mathematics	Aryabhatta Journal of Mathematics and Informatics	Jul-05	2394-9309



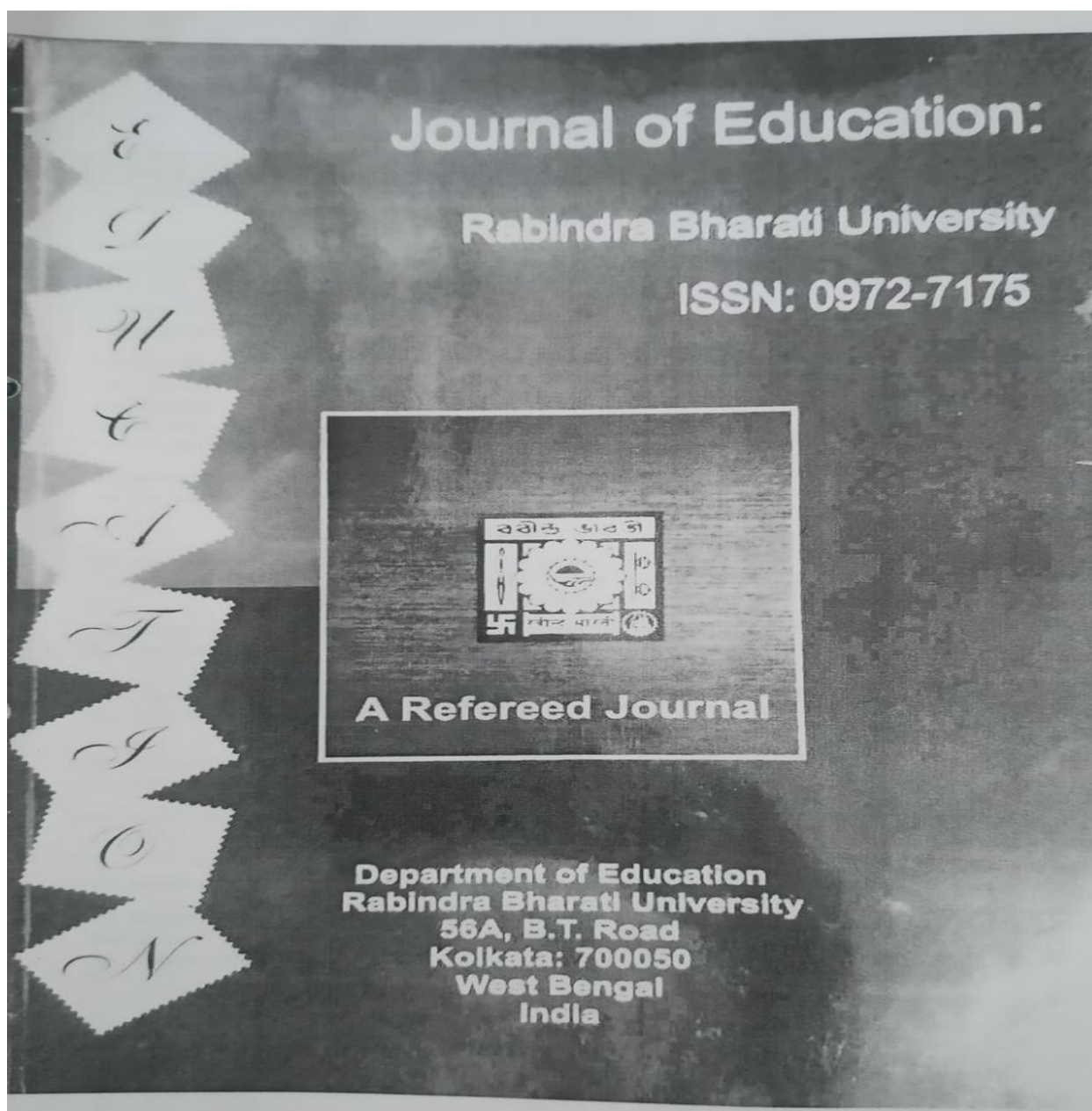
GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

3. Proofs of Research Paper publication

- Dr. Surinder Singh Thakur





GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

Contents

Author/s	Name of the Article	Page No.
Gurmit Singh	SOCIAL REFORM MOVEMENT IN PUNJAB DURING 19TH AND 20TH CENTURY	459-462
Mr. Parmar Anupamkumar Linusbhai Dr. Baburao Laxmanrao Ghayal	A COMPARATIVE STUDY OF PHYSICAL ACTIVITY BETWEEN MALE AND FEMALE SCHOOL STUDENTS	463-466
Mr. Karthik Reddy Mahesha DK Ms. Hemavati Mattaparti Mr. Khaleelulla S A	"DOES ONLINE LEARNING WORK BETTER THAN OFFLINE LEARNING": A COMPARATIVE STUDY IN BANGALORE -NORTH	467-472
Satheesha H P Dr. S.G Jadhav	SELF EFFICACY AND EMOTIONAL COMPETENCE OF THE PARENTS HAVING ATTENTION DEFICIT AND HYPERACTIVITY DISORDER CHILDREN AND NORMAL CHILDREN	473-481
Dr. Mareppa N Patil Lokesh Rathod	ASSESSMENT OF INFORMAL SECTOR BRICKLINE INDUSTRY WOMEN WORKERS IN KALABURAGI DISTRICT OF KARNATAK	482-489
✓ Ms. Harpreet Kaur Dr. Surinder Singh	ACADEMIC ACHIEVEMENT AND SELF-EFFICACY OF UNDER GRADUATE STUDENTS IN RELATION TO EDUCATIONAL MOBILE APPS USAGE	490-496
Ms. Mandeep Kaur Dr. Susheela Narang	ACADEMIC PROCRASTINATION AND ACADEMIC ANXIETY OF SECONDARY SCHOOL STUDENTS USING RATIONAL EMOTIVE BEHAVIOUR THERAPY	497-503
✓ Ms. Pooja Sharma Dr. Surinder Singh Dr. Jyoti Bala	A STUDY OF RESILIENCE AMONG THEATER AND DANCE PERFORMING ARTS STUDENTS	504-509
	SOCIAL COMPETENCE OF SECONDARY SCHOOL STUDENTS IN RELATION TO THEIR GENDER AND TYPE OF FAMILY	510-513
Dr. Ram Gopal	WORK FROM HOME: THE PRESENT & FUTURE	514-519
Dr. Sandeep K Pandey Dr. Kalpana Sharma	A STUDY OF EMOTIONAL INTELLIGENCE AND QUALITY OF LIFE AMONG DOCTORS	520-525



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College

KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211

NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

JOURNAL OF EDUCATION: RABINDRA BHARATI UNIVERSITY
ISSN : 0972-7175

ACADEMIC ACHIEVEMENT AND SELF-EFFICACY OF UNDER GRADUATE STUDENTS IN RELATION TO EDUCATIONAL MOBILE APPS USAGE

Ms. Harpreet Kaur Assistant Professor, Batala College of Education, Batala.

Dr. Surinder Singh Principal, Guru Nanak College, Killianwali (Sri Muktsar Sahib).

Abstract

The present study has been undertaken to study the Academic Achievement and Self-efficacy of under graduate students in relation to educational mobile apps usage and to examine whether there is any significant difference in the mean scores of Academic Achievement and Academic Procrastination of under graduate students in relation to higher and lower educational mobile apps usage. The sample consisted of 200 under graduate students of Amritsar District of Punjab. The data was collected by using standardized scale of Mobile Apps Usage constructed by investigator and Self-Efficacy Scale (Singh & Narain; 2014). The data obtained was analysed statistically with the help of Mean, SD, t-ratio and coefficient of correlation 'r'. The findings of the study were: (i) No significant difference was found between the mean scores of academic achievements of under graduate students with high and low educational mobile apps usage, (ii) Significant difference was found between the mean scores of self-efficacy of under graduate students with high and low educational mobile apps usage (iii) No significant relationship was found between academic achievement and educational mobile apps usage of under graduate students. (iv) A positive and significant relationship was found between self-efficacy and educational mobile apps usage of under graduate students.

Keywords: Academic achievement, Self-efficacy, Mobile apps usage, Under graduate students

Introduction

Education plays important role in overall development of individuals thereby contributing immensely to the overall development of a nation. Education globally is one of the important sectors to witness revolutionary changes in the recent times. This happens primarily because of digital revolution taken place all across the globe. The typical Indian classroom was once characterized by students sitting through hour-long session where the teacher used to discuss the things without any visual presentation. Digital technology is making life easier for both students and educators. Digital education is fun learning for all cadres and particularly effective for child learning as the innovative audio-video feature boosts the cognitive elements in a child's brain. Schools are increasingly adopting digital teaching solutions in their academic, and trying to make the classroom environment more inclusive and participatory. In India, from last few years there has been a considerable rise in digital and live virtual classrooms at different levels of learning. Traditionally education was centred on sources such as schools, teachers and print media. But with the development and advancement of educational mobile apps and software's enhance the trust in one's own capabilities and skills, which leads to the development of self-efficacy among students. Self-efficacy is one's belief in one's ability to succeed in specific situations or accomplish a task. One's sense of self-efficacy can play a major role in how one approaches goals, tasks, and challenges (Bandura, 1986). Digital learning guarantees more participation from students as the current generation of students are well-versed with laptops, I-pads, and smartphones. There are different private players in the field of digital education like Educomp, Tata Class Edge, Pearson, and Teach Next who are continuously engage and developing different interactive educational mobile apps and software to help teachers

Vol. XXII, No. 1, 2021

490



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College

KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211

NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

JOURNAL OF EDUCATION: RABINDRA BHARATI UNIVERSITY
ISSN : 0972-7175

A STUDY OF RESILIENCE AMONG THEATER AND DANCE PERFORMING ARTS STUDENTS

Ms. Pooja Sharma Research Scholar, Panjab University, Chandigarh.

Dr. Surinder Singh Principal, Guru Nanak College Killianwali, Shri Muktsar Sahib,
Punjab.

Abstract

Resilience is that exquisite quality that allows an individual to bounce back stronger after break down in life. In spite of letting failure control over them and drain their resolve, they find a way to rise from the ashes. The study was conducted to assess the Resilience among theatre and dance students of performing arts. A sample of 100 students (50 theatre 50 dance) of degree colleges of Amritsar district was taken for the study. A self constructed tool of resilience by the researcher was used to collect the data. The result indicated that there was significant difference between the total score of resilience among theatre and dance performing arts students as the mean value was found 207.28 which was more in dance students and it was found significant difference at the 0.01 level of confidence.

Keywords: Resilience, Performing arts, Theatre, Dance.

Resilience

Resilience is universally considered a strength or asset, a desirable and advantageous quality, characteristic or process that is likely to impact positively on aspects of an individual's performance, achievement, health and wellbeing (Bartley, Schoon, Mitchell and Blane., 2010). Masten, Best and garmezi (1990) defined "the process of, capacity for or outcome of successful adaptation despite challenging or threatening circumstances". In some individuals observed, it is a psychological construct that consider for success despite adversity.

Resilience is provides the individuals the psychological strength to handle or cope up with difficulty and stress. It is the mental storage of ability that individuals are able to use on times of need to bring them through without falling aside. Some of the psychologists who believe that resilient person are better able to handle worst condition or adversity and reconstruct their lives after a struggle. Handel with change or loss is an irresistible part of life. At some point, everyone experience various degrees of setbacks. These difficulties might be relatively slight, while others are disastrous on a very larger scale. How a person handle with these problems can play a important role not only in the consequences but also the long-term outcome. The admirable thing is that there are things which can do to become more resilient individual.

Theatre

Theatre is a collective form of performing art that uses live performers, generally actors or actresses, to show the experience of imagined or real event in front of a live audience in a specific place, often a stage. Through combinations of gesture, song, speech, music and dance, the performers may communicate this experience to the audience. Some of the elements of art, such as stagecraft, painted scenery and lighting are used to intensify the presence, physicality and immediacy of the experience. Modern Western theatre comes, in enormously, from the theatre of ancient Greece, from which it acquires technical terminology, classification into groups, and many of its themes, plot elements and stock characters. Theatre artist Patrice Pavis defines theatricality, theatrical language, stage writing and the specificity of theatre as synonymous expressions that differentiate theatre from the other

Vol. XXII, No. 1, 2021

504



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

- Mr. Amit Behal

International Level Double Blind Peer Reviewed, Refereed, Indexed Research Journal, ISSN(Print)-0974-2832, E-ISSN-2320-5474, RNI-RAJBIL-2009/29954, Impact Factor-5.901(SJIF), DECEMBER-2021, Vol-1, Issue-12

International Indexed, Peer Reviewed & Refereed Research Journal Related to Higher Education For all Subject

DEC., 2021

Vol-1, ISSUE-12



IMPACT FACTOR 5.901 (SJIF)

SHODH, SAMIKSHA AUR MULYANKAN

ISSN 0974-2832 (Print), E-ISSN- 2320-5474, RNI RAJBIL 2009/29954

Editor in Chief

Dr. Krishan Bir Singh

www.ugcjournal.com

SHODH SAMIKSHA AUR MULYANKAN

1

Short Term Skill Development Courses For Educational Institutions: Need Of The Hour



Amit Behal

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

ABSTRACT

Getting a job is tough, and more so, in this economy especially in post Covid-19 phase. There's cut-throat competition for everything. But if you can get an edge over your peers, you can quickly get the high-paying jobs available in the market. Short term job oriented courses can help you get that edge. Short term courses with high salary will give you an edge. You get to choose what you want to learn, and they equip you with the latest skills. Moreover, you also get to learn a whole lot more about the industry you take an interest in, with the help of these courses.

No matter what stage of education/working, one must keep learning. Depending on the field, there are many skills, tools, techniques, languages that help one gain an upper hand. This is where short-term courses help. But the key is in identifying which one will place offer value rather than being just a badge or certification. There are different types of short-term courses (even online) and several institutes and colleges also offer part-time courses that can range from three months to a year. Another alternative is to take up online courses that you can finish at your own pace. Many ed-tech platforms offer comprehensive courses that help develop necessary skills and make one industry ready. Lastly, there is the option of distance learning. Short-term courses can give one a competitive edge and also help develop oneself personally.

Why Take Job Oriented Courses?

It's natural to have some doubts. Everyone does. You might wonder why you should take professional job oriented courses. Actually they give you an edge over your competition. You get to take control of your learning journey as you get to choose which course you'll take.

Skills and knowledge are the driving forces of economic growth and social development for any country. Presently, the country faces a demand – supply mismatch, as the economy needs more 'skilled' workforce than that is available. In the higher education sphere, knowledge and skills are required for diverse forms of employment in the sector of education, health care manufacturing and other services. Potentially, the target group for skill development comprises all those in the labour force, including those entering the labour market for the first time, those employed in the organized sector and also those working in the unorganized sector.

As per the requirement of backward poverty-ridden rural areas, educational institutions, for their survival must plan to start the following prominent short-term courses which are beneficial both for boy and girl students:-

Dress Designing & Tailoring

Introduction to the course –

Clothing is one of the basic needs of human being people one becoming fashion conscious. With change in fashion & style, the stitching of garment also changes. Hence keeping in view the market



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh



International Level Double Blind Peer Reviewed, Refereed, Indexed Research Journal, ISSN(Print)-2250-253x, E-ISSN-2320-544x, Impact Factor-6.993(SJIF), JUNE-2022, Vol-I, Issue-06

IMPACT FACTOR
6.993 (SJIF)



ISSN (P)-2250-253x

ISSN (E)-2320-544x

International Research Mirror

*(An International Peer Reviewed, Refereed, Indexed, Interdisciplinary,
Multilingual, Monthly Research Journal)*

Month- JUNE - 2022

Vol- I

Issue-06

Chief Editor

NEHA SINGH

M.Tech

International Research Mirror

Impact Factor : 6.993(SJIF)

1



International Level Double Blind Peer Reviewed, Refereed, Indexed Research Journal, ISSN(Print)-2250-253X, E-ISSN-2320-544X, Impact Factor-6.993(SJIF), JUNE-2022, Vol-I, Issue-06

Month- JUNE-2022

Vol- I

Issue- 06

Subject - Political Science

International Research Mirror

(International Level Double Blind
 Peer Reviewed, Refereed, Indexed,
 Multilingual, Interdisciplinary, Monthly
 Research Journal)

ISSN (P) : 2250-253X

ISSN (E) : 2320-544X

Impact Factor : 6.993 (SJIF)

Citizenship Amendment Act (CAA)- Whether Indian Democracy is in battle with its Constitution...?

AMIT BEHAL

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

30

International Research Mirror

Impact Factor : 6.993(SJIF)

ABSTRACT

CAA has been in the news for nearly two years and it continues to hog media even today. There has been a huge amount of hue and cry in our country over the matter of citizenship. Though this has been a 'trend' in this country since forever, the issue has certainly caught a lot of flame in recent years. Questioning people's nationality and making them prove their loyalty towards the nation is the new normal of our society. As unfortunate as it sounds, the issue has been more fatal for people who have found themselves caught up in this. Outrageous statements have been made, violent riots have erupted, people have lost their lives, and whatnot. The worst part of it all is that it all seems to be well planned, strategized, and targeted towards people who belong to a certain faith. The idea of having NRC, NPR & CAA in our country was to maintain a register or have a track of the actual population of the country and to give citizenship to 'persecuted minorities' from neighbouring countries. To India the value of the National Citizens' Register (NRC) is central. This offers a clear cut-off demarcation on who applies to be an Indian citizen and other citizens who have been residing in India illegally. In several instances, the NRC's role has proven to be very helpful. With our evidently growing economy, it is important to have a clear picture of the exact number of people and foreign nationals residing in the country and whether that person is legal or illegal. This also plays a major part in awarding people their rights. As an idea, it wasn't something that could be discarded outrightly or was absurd in demand. But somewhere down the line, it lost the track and became heavily controversial. Antonio Gramsci has said, "In order to govern, all states need the consent of the governed". The consent thus has to be manufactured through balancing competing claims and through policies that benefit all sections of the society."

"CAA reduces statelessness. It doesn't take away citizenship from anybody, instead it gives citizenship to a number of people who don't have it." —S. Jaishankar, External Affairs Minister in an exclusive interview with India Today, March 9 2020.

India is a secular, sovereign and peace-loving country. Perhaps it is the only country in the world that has justified the slogan of 'Unity in diversity'. Perhaps this is why citizens of many countries want Indian citizenship.

The Citizenship Amendment Bill, 2019 has been passed by the Lok Sabha on 9th December 2019. This bill is signed by the President on 12 December 2019 that is why it has become an act now.

Whenever we stand on this question, the meaning of both democracy and constitutionalism is- perhaps now more than at any other time in Indian history- up for grabs... Both terms are used and abused with little care... The ongoing debate over the recently enacted citizenship law is but an instance of



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

- Mrs. Usha Goyal





GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College

KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211

NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

THE JOURNAL OF ORIENTAL RESEARCH MADRAS

ISSN : 0022-3301 | JULY 2021

36

CHALLENGES FACED BY E-COMMERCE INDUSTRY DUE TO COVID-19 IN INDIA*

BY

Dr. Seema Rani*

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

Email: seemajindal001@yahoo.co.in

Usha Goyal*

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

Email: ushagoyal@rediffmail.com

ABSTRACT

E-commerce refers to the usage of Information and Communication Technology (ICT) in conducting inter-organizational (B2B) or Business to Customer (B2C) transactions and e-business refers to the usage of ICT technologies in enhancing customer value. According to an analysis website, the E-Commerce Industry in India grew from 4% of the total population in 2007 to around 40% in 2017, clearly indicating the rise of the internet era in the world's fastest-growing economy. Seeing this potential, Amazon, Walmart, and Alibaba are heavily investing in India and building a strong presence. Various domestic players like Snapdeal, Shopclues, Infibeam, etc. are also a part of this organized and exponentially growing E-Commerce segment in India. With the big three- Amazon, Walmart, and Alibaba-entering the E-Commerce sector in India, the market is slowly maturing and expanding its footprint to the most remote locations across the country. The COVID-19 outbreak has jolted the entire world and the way it functions; it has altered the way humans behave, their perceptions, lifestyles and habits. With lockdown being imposed in the nation, consumers have become extremely prudent with their purchasing behaviour, looking for options which are safe, hygiene and convenient while they go for any kind of purchases and, e-commerce space aggravates the most when it comes to the decision of buying online. The COVID-19 pandemic has put e-commerce marketplaces under great pressure, like catering to increased demand with less workforce, while ensuring safety measures. While most e-commerce has overcome these sudden challenges, but some continue to face hurdles at varied other fronts. Keeping all this in view this paper focuses on growing of E-Commerce in India and challenges faced by consumer and E-commerce players in India.

Keywords: E-Commerce, Consumers, Business, Growth, Challenges.

Received 30 June 2021, Accepted 07 July 2021, Published 12 July 2021

* Correspondence Author: Dr. Seema Rani

Since the declaration of Covid-19 by the World Health Organization (WHO) as a pandemic, the global crisis has plunged all the more. The change in the epicentre from China to Europe and now



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

AUTHOR INDEX

The Journal of Oriental Research Madras

Vol. XCII-XXXVI

ISSN: 0022-3301
Impact Factor: 7.193

July 2021

CONTENTS

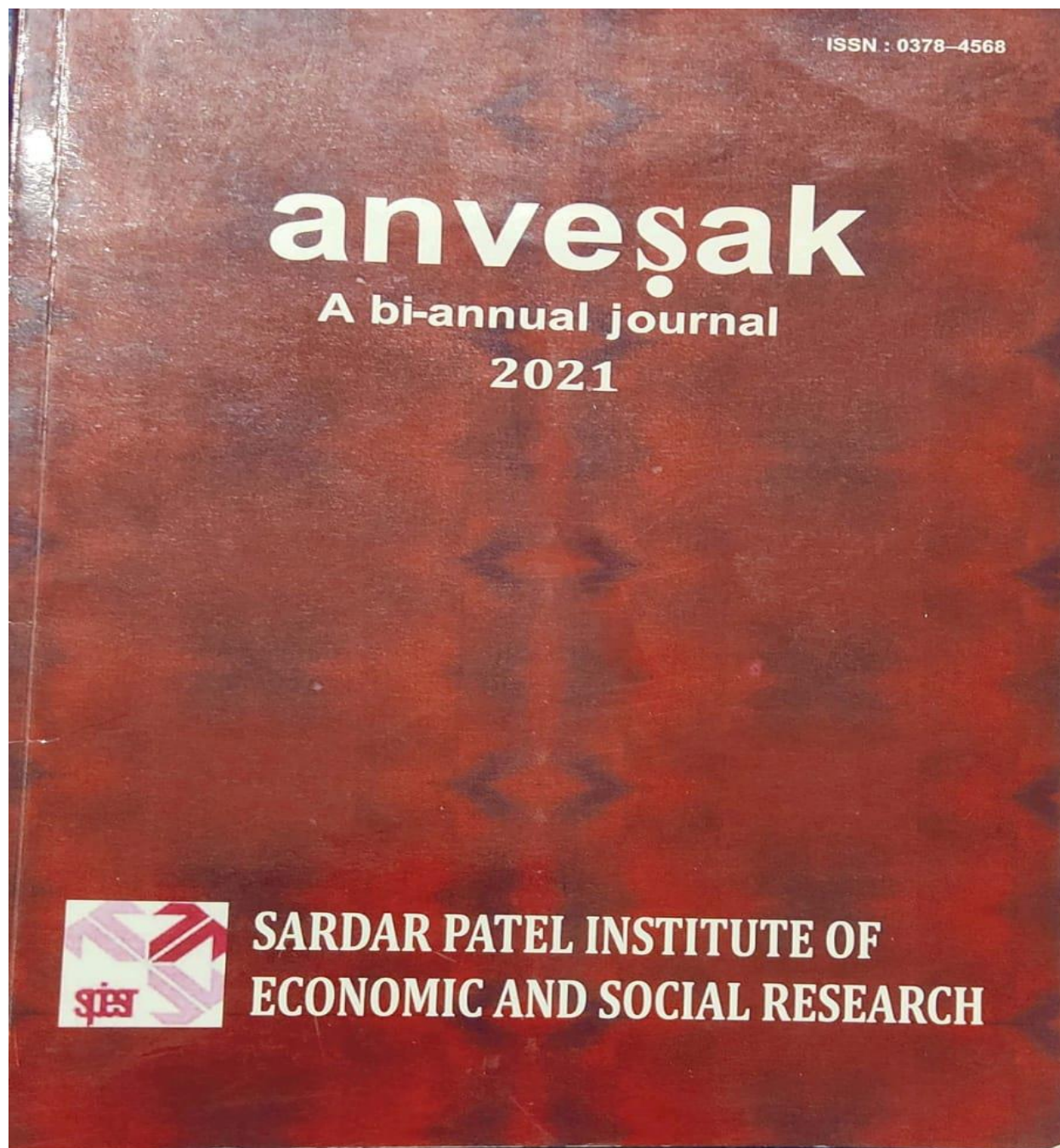
- | | |
|--|-------|
| I REVERSE UTILIZATION OF WATER IN INDUSTRIES
By: Konala Kartik Reddy, Jyoti Singh | 1-7 |
| II ECONOMIC ANALYSIS OF AFRICAN SWINE FEVER AFFECTS ON PIGGERY: A
STUDY IN NO.2 RAI CHAPORI PART I, OF DHEMAJI DISTRICT OF ASSAM
By: Bijoy Pegu, Dr. Pankaj Deb, Dr. Anil Kr. Dube | 8-22 |
| III CHANGING FACE OF HIGHER EDUCATION
By: Dr. Shirin Shaikh | 23-28 |
| IV A NEW APPROACH TO PROCESS OF EDUCATION-BLENDED MODE OF TEACHING
AND LEARNING
By: Dr. Bineeta Agrawal, Dr. Jipsy Malhotra, Ms. Neha Aggarwal | 29-35 |
| V CHALLENGES FACED BY E-COMMERCE INDUSTRY DUE TO COVID-19 IN INDIA
By: Dr. Seema Rani, Usha Goyal | 36-44 |
| VI CUSTODIAL VIOLENCE...THE WORST CRIME IN A CIVILIZED SOCIETY
By: Dr. Seema Kashyap, Praneeta Kumari | 45-57 |
| VII MICROALGAE AS A SOURCE OF BIOFUEL
By: Dr. Reena Verma | 58-62 |
| VIII INFLUENCES OF OVEREXPLOITATION ON GROUND WATER QUALITY OF
KATHUMAR BLOCK OF ALWAR (RAJASTHAN)
By: Rajesh Kumar Yadav, Girdhari Lal Meena, Monika | 63-73 |



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh



Principal
Guru Nanak College
Killianwali (Sri Muktsar Sahib)



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

anveshak

A bi-annual journal

Vol. 51, No.1(IX) January - July 2021

ISSN : 0378-4568



Sardar Patel Institute of Economic and Social Research

Thaltej Road, Ahmedabad - 380 054, India

Phone: (079) 2685 0598, Fax: (079) 2685 1714

Website: www.spiesr.ac.in, Email: info@spiesr.ac.in



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

Sl.No.	Name of Topic	Name of Author	Page No.
1	FOLKTALES - A TOOL CAN BE USED FOR LIFE SKILL DEVELOPMENT OF LEARNERS	Dishnara Begum	01-05
2	FOREIGN ARBITRAL AWARD IN INDIA: AN ANALYSIS	Dr. Priyanka	06-10
3	FINANCIAL LITERACY LEVEL - A STUDY ON RURAL WOMEN	Dr. Lokesh Naik. B	11-15
4	SOCIO-ECONOMIC PROFILE AND CONSTRAINTS FACED BY APPLE GROWERS OF DISTRICT BARAMULLA OF JAMMU AND KASHMIR	Saimah Lateef Dr. sangeet Jauhari	16-20
5	CURRENT STATUS OF HOUSEHOLD SOLID WASTE MANAGEMENT -A CASE STUDY OF MAINPURI CITY	Mohini Saran Salahuddin Mohd	21-29
6	IMPACT OF ARTIFICIAL INTELLIGENCE ON INDIAN BANKING SECTOR	Usha Goyal Dr. Seema Rani	30-39
7	MEDIATING ROLE OF DIGITAL MARKETING ON THE RELATIONSHIP BETWEEN PESTER POWER AND FAMILY BUYING DECISION: AN EMPIRICAL ANALYSIS	Neetu Jain Dr. Manmeet Singh	40-70
8	INDIA-PAKISTAN RELATIONS(1998-2020):A STUDY OF EVOLVING NUCLEAR STRATEGY IN SOUTH ASIA REGION	Raj Kumar Yadav Navcharan Singh Sidhu	71-79
9	COMPARATIVE STUDY OF INVESTMENT OPTIONS AVAILABLE AND THEIR RETURN OVER THE PERIOD OF TIME	Dr. Shriprakash Soni Mr. Gopal Boob	80-86
10	A STUDY ON HUMAN RESOURCE ACCOUNTING & ITS IMPACT ON EMPLOYEE PRODUCTIVITY & GOODWILL OF MANAGEMENT INSTITUTES IN PUNE CITY	Dr. Shriprakash Soni Prof. Khushali Oza	87-97
11	MEASURING EMPLOYEE'S HAPPINESS: A STUDY OF AN INDIAN UNIVERSITY	Dr. Dharmesh Gadhavi Dr. Abhishek Parikh Dr. Vipul Patel	98-114



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College

KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211

NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

ANVESAK
ISSN : 0378 - 4568

UGC Care Group 1 Journal

IMPACT OF ARTIFICIAL INTELLIGENCE ON INDIAN BANKING SECTOR

Usha Goyal

Associate Professor Commerce, Guru Nanak College, Killianwali, Distt. Sri Muktsar Sahib
Email : ushagoyal@rediffmail.com

Dr. Seema Rani

Associate Professor Commerce, Guru Nanak College, Killianwali, Distt. Sri Muktsar Sahib
Email : seemajindal001@yahoo.co.in

Abstract

Artificial Intelligence (AI), in simple words, is an ingenious technology that allows machines to replicate human tasks so as to make life easier for everyone. Be it repetitive processes done manually, analyzing high volume of data within minutes, or finding anomalies and trends, artificial intelligence can do them all. The scope of this technology is huge and can be utilized by all industries globally. Now the obvious question that pops up in our minds is; if machines will do our tasks then what will the humans do? The purpose of this study is to understand the benefits that this technology will accrue and weigh it against the difficulties it may propose. Every sector can apply AI to reap some advantages. Thus, to narrow our scope of research, we shall study the effects that AI has already had on the banking industry and its future scope therein. Both private and public sector banks are showing interest in this upcoming technology and have also began using it. While simplifying routine tasks by the bank, there is some resistance to this technology as it poses a threat to the millions of individuals who are employed by this sector.

Keywords : Artificial Intelligence, Banking Sector, Customers, Challenges.

Artificial intelligence (AI) which is also called as "machine intelligence" is intelligence exhibited by machines contrary to the usual intelligence displayed by people. Artificial intelligence is often used to describe machines that humans associate with the human mind, such as "learning" and "problem solving". Artificial Intelligence is the ability of a machine or a computer to copy from something that is natural, in terms of acquiring and applying knowledge and skills. When a machine mimics a human mind by thinking for itself, it is known as Artificial Intelligence. Artificial intelligence and advanced analytics driven decision making has transformed the ability of smaller financial service providers to compete with larger institutions. Today, big data coupled with advanced statistical needs and machine learning algorithms can uncover pattern in organization's data which are otherwise impossible using traditional analytical tools.

"AI is probably the most important thing humanity has ever worked on." -Google CEO Sundar Pichai.

This statement from Google CEO has become quite relevant in the Indian banking industry, especially after demonetisation. Now banks are actively adopting new-age technologies for better growth prospects and to serve new-age customers

LITERATURE REVIEW

Artificial Intelligence has raised a lot of curiosity among researchers and bankers who are keen

Vol. 51, No.1(IX) January - July 2021

30



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

- Dr. Seema Rani

CamScanner 01-06-2022 20.41.54 PDF

ISSN : 0022-3301

THE JOURNAL OF ORIENTAL RESEARCH MADRAS

(Founded by Mm. Prof. S. Kuppuswami Sastri, M.A.)



Vol. XCII-XXXVI

July - 2021

तमसो मा ज्योतिर्गमय

THE KUPPUSWAMI SASTRI RESEARCH INSTITUTE, MYLAPORE
MADRAS



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College

KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211

NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

THE JOURNAL OF ORIENTAL RESEARCH MADRAS

ISSN : 0022-3301 | JULY 2021

36

CHALLENGES FACED BY E-COMMERCE INDUSTRY DUE TO COVID-19 IN INDIA*

BY

Dr. Seema Rani*

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

Email: seemajindal001@yahoo.co.in

Usha Goyal*

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

Email: ushagoyal@rediffmail.com

ABSTRACT

E-commerce refers to the usage of Information and Communication Technology (ICT) in conducting inter-organizational (B2B) or Business to Customer (B2C) transactions and e-business refers to the usage of ICT technologies in enhancing customer value. According to an analysis website, the E-Commerce Industry in India grew from 4% of the total population in 2007 to around 40% in 2017, clearly indicating the rise of the internet era in the world's fastest-growing economy. Seeing this potential, Amazon, Walmart, and Alibaba are heavily investing in India and building a strong presence. Various domestic players like Snapdeal, Shopclues, Infibeam, etc. are also a part of this organized and exponentially growing E-Commerce segment in India. With the big three- Amazon, Walmart, and Alibaba-entering the E-Commerce sector in India, the market is slowly maturing and expanding its footprint to the most remote locations across the country. The COVID-19 outbreak has jolted the entire world and the way it functions; it has altered the way humans behave, their perceptions, lifestyles and habits. With lockdown being imposed in the nation, consumers have become extremely prudent with their purchasing behaviour, looking for options which are safe, hygiene and convenient while they go for any kind of purchases and, e-commerce space aggravates the most when it comes to the decision of buying online. The COVID-19 pandemic has put e-commerce marketplaces under great pressure, like catering to increased demand with less workforce, while ensuring safety measures. While most e-commerce has overcome these sudden challenges, but some continue to face hurdles at varied other fronts. Keeping all this in view this paper focuses on growing of E-Commerce in India and challenges faced by consumer and E-commerce players in India.

Keywords: E-Commerce, Consumers, Business, Growth, Challenges.

Received 30 June 2021, Accepted 07 July 2021, Published 12 July 2021

* Correspondence Author: Dr. Seema Rani

Since the declaration of Covid-19 by the World Health Organization (WHO) as a pandemic, the global crisis has plunged all the more. The change in the epicentre from China to Europe and now



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

AUTHOR INDEX

The Journal of Oriental Research Madras

Vol. XCII-XXXVI

ISSN: 0022-3301
Impact Factor: 7.193

July 2021

CONTENTS

- | | |
|--|-------|
| I REVERSE UTILIZATION OF WATER IN INDUSTRIES
By: Konala Kartik Reddy, Jyoti Singh | 1-7 |
| II ECONOMIC ANALYSIS OF AFRICAN SWINE FEVER AFFECTS ON PIGGERY: A
STUDY IN NO.2 RAI CHAPORI PART I, OF DHEMAJI DISTRICT OF ASSAM
By: Bijoy Pegu, Dr. Pankaj Deb, Dr. Anil Kr. Dube | 8-22 |
| III CHANGING FACE OF HIGHER EDUCATION
By: Dr. Shirin Shaikh | 23-28 |
| IV A NEW APPROACH TO PROCESS OF EDUCATION-BLENDED MODE OF TEACHING
AND LEARNING
By: Dr. Bineeta Agrawal, Dr. Jipsy Malhotra, Ms. Neha Aggarwal | 29-35 |
| V CHALLENGES FACED BY E-COMMERCE INDUSTRY DUE TO COVID-19 IN INDIA
By: Dr. Seema Rani, Usha Goyal | 36-44 |
| VI CUSTODIAL VIOLENCE...THE WORST CRIME IN A CIVILIZED SOCIETY
By: Dr. Seema Kashyap, Praneeta Kumari | 45-57 |
| VII MICROALGAE AS A SOURCE OF BIOFUEL
By: Dr. Reena Verma | 58-62 |
| VIII INFLUENCES OF OVEREXPLOITATION ON GROUND WATER QUALITY OF
KATHUMAR BLOCK OF ALWAR (RAJASTHAN)
By: Rajesh Kumar Yadav, Girdhari Lal Meena, Monika | 63-73 |



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

ISSN : 0378-4568

anveshak

A bi-annual journal
2021



SARDAR PATEL INSTITUTE OF
ECONOMIC AND SOCIAL RESEARCH



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

anveshak

A bi-annual journal

Vol. 51, No.1(IX) January - July 2021

ISSN : 0378-4568



Sardar Patel Institute of Economic and Social Research

Thaltej Road, Ahmedabad - 380 054, India

Phone: (079) 2685 0598, Fax: (079) 2685 1714

Website: www.spiesr.ac.in, Email: info@spiesr.ac.in



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

Sl.No.	Name of Topic	Name of Author	Page No.
1	FOLKTALES - A TOOL CAN BE USED FOR LIFE SKILL DEVELOPMENT OF LEARNERS	Dishnara Begum	01-05
2	FOREIGN ARBITRAL AWARD IN INDIA: AN ANALYSIS	Dr. Priyanka	06-10
3	FINANCIAL LITERACY LEVEL - A STUDY ON RURAL WOMEN	Dr. Lokesh Naik. B	11-15
4	SOCIO-ECONOMIC PROFILE AND CONSTRAINTS FACED BY APPLE GROWERS OF DISTRICT BARAMULLA OF JAMMU AND KASHMIR	Saimah Lateef Dr. sangeet Jauhari	16-20
5	CURRENT STATUS OF HOUSEHOLD SOLID WASTE MANAGEMENT -A CASE STUDY OF MAINPURI CITY	Mohini Saran Salahuddin Mohd	21-29
6	IMPACT OF ARTIFICIAL INTELLIGENCE ON INDIAN BANKING SECTOR	Usha Goyal Dr. Seema Rani	30-39
7	MEDIATING ROLE OF DIGITAL MARKETING ON THE RELATIONSHIP BETWEEN PESTER POWER AND FAMILY BUYING DECISION: AN EMPIRICAL ANALYSIS	Neetu Jain Dr. Manmeet Singh	40-70
8	INDIA-PAKISTAN RELATIONS(1998-2020):A STUDY OF EVOLVING NUCLEAR STRATEGY IN SOUTH ASIA REGION	Raj Kumar Yadav Navcharan Singh Sidhu	71-79
9	COMPARATIVE STUDY OF INVESTMENT OPTIONS AVAILABLE AND THEIR RETURN OVER THE PERIOD OF TIME	Dr. Shriprakash Soni Mr. Gopal Boob	80-86
10	A STUDY ON HUMAN RESOURCE ACCOUNTING & ITS IMPACT ON EMPLOYEE PRODUCTIVITY & GOODWILL OF MANAGEMENT INSTITUTES IN PUNE CITY	Dr. Shriprakash Soni Prof. Khushali Oza	87-97
11	MEASURING EMPLOYEE'S HAPPINESS: A STUDY OF AN INDIAN UNIVERSITY	Dr. Dharmesh Gadhavi Dr.Abhishek Parikh Dr.Vipul Patel	98-114



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College

KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211

NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

ANVESAK
ISSN : 0378 - 4568

UGC Care Group 1 Journal

IMPACT OF ARTIFICIAL INTELLIGENCE ON INDIAN BANKING SECTOR

Usha Goyal

Associate Professor Commerce, Guru Nanak College, Killianwali, Distt. Sri Muktsar Sahib
Email : ushagoyal@rediffmail.com

Dr. Seema Rani

Associate Professor Commerce, Guru Nanak College, Killianwali, Distt. Sri Muktsar Sahib
Email : seemajindal001@yahoo.co.in

Abstract

Artificial Intelligence (AI), in simple words, is an ingenious technology that allows machines to replicate human tasks so as to make life easier for everyone. Be it repetitive processes done manually, analyzing high volume of data within minutes, or finding anomalies and trends, artificial intelligence can do them all. The scope of this technology is huge and can be utilized by all industries globally. Now the obvious question that pops up in our minds is; if machines will do our tasks then what will the humans do? The purpose of this study is to understand the benefits that this technology will accrue and weigh it against the difficulties it may propose. Every sector can apply AI to reap some advantages. Thus, to narrow our scope of research, we shall study the effects that AI has already had on the banking industry and its future scope therein. Both private and public sector banks are showing interest in this upcoming technology and have also began using it. While simplifying routine tasks by the bank, there is some resistance to this technology as it poses a threat to the millions of individuals who are employed by this sector.

Keywords : Artificial Intelligence, Banking Sector, Customers, Challenges.

Artificial intelligence (AI) which is also called as "machine intelligence" is intelligence exhibited by machines contrary to the usual intelligence displayed by people. Artificial intelligence is often used to describe machines that humans associate with the human mind, such as "learning" and "problem solving". Artificial Intelligence is the ability of a machine or a computer to copy from something that is natural, in terms of acquiring and applying knowledge and skills. When a machine mimics a human mind by thinking for itself, it is known as Artificial Intelligence. Artificial intelligence and advanced analytics driven decision making has transformed the ability of smaller financial service providers to compete with larger institutions. Today, big data coupled with advanced statistical needs and machine learning algorithms can uncover pattern in organization's data which are otherwise impossible using traditional analytical tools.

"AI is probably the most important thing humanity has ever worked on." -Google CEO Sundar Pichai.

This statement from Google CEO has become quite relevant in the Indian banking industry, especially after demonetisation. Now banks are actively adopting new-age technologies for better growth prospects and to serve new-age customers

LITERATURE REVIEW

Artificial Intelligence has raised a lot of curiosity among researchers and bankers who are keen

Vol. 51, No.1(IX) January - July 2021

30

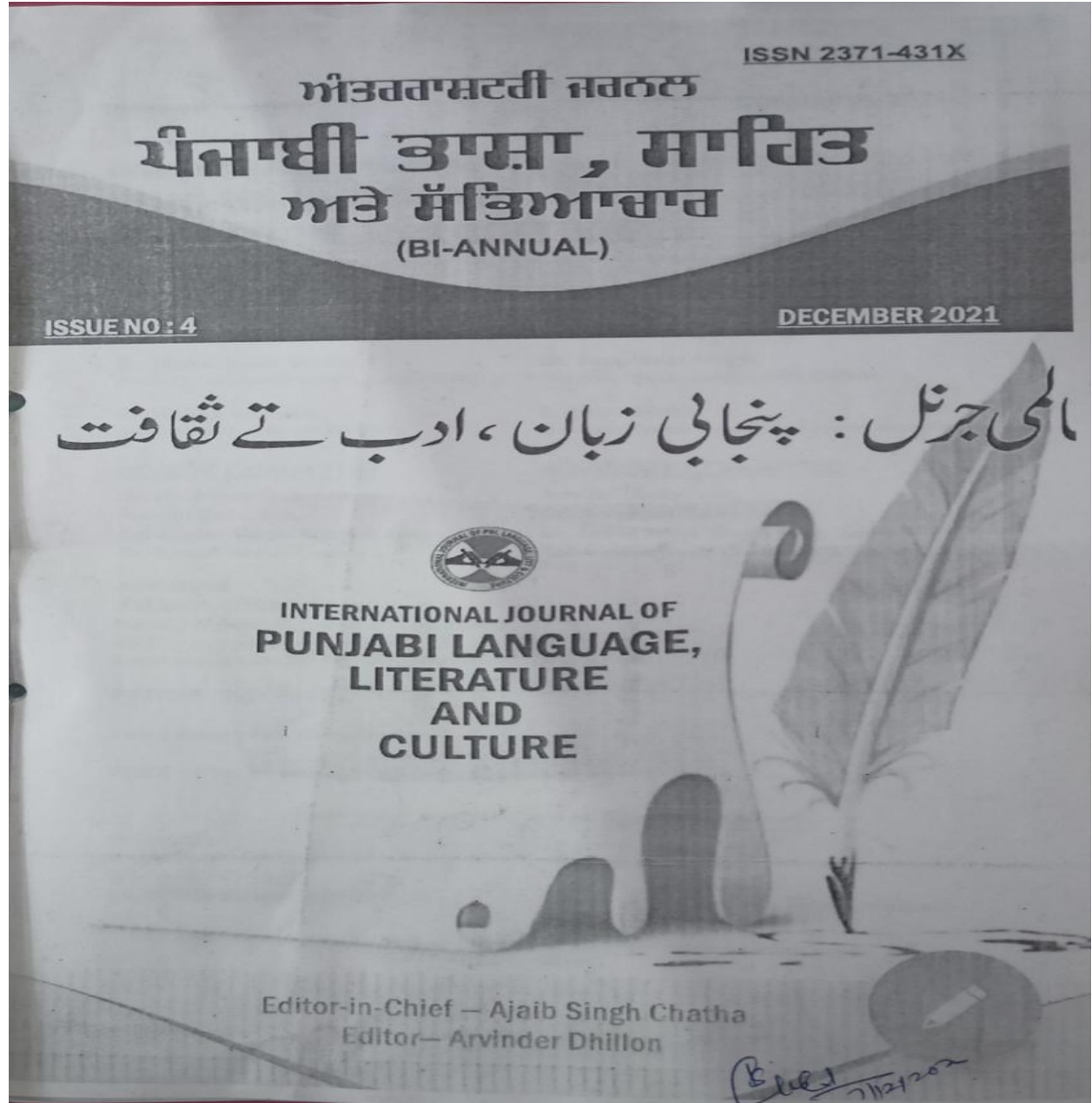


GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

- Dr. Khushnasib Gurbakhshish kaur.



Principal
Guru Nanak College
Killianwali (Sri Muktsar Sahib)



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

ISSN 2371-431X

December, 2021

INTERNATIONAL JOURNAL OF PUNJABI LANGUAGE, LITERATURE AND CULTURE

EDITORIAL BOARD

Dr. Daljit Singh
Ex-Vice Chancellor

Dr. Mohd. Iqbal Shahid
Dean, Government University, Lahore (PAK)

Dr. Nabila Rehman
University of Punjab, Lahore (PAK)

Dr. S.S. Gill
Ex-Vice Chancellor

Dr. Jaswinder Singh
Principal, Khalsa College, Delhi (INDIA)

S. Billa Aulakh
President, Punjabi Cultural Association, Australia

REVIEW COMMITTEE

Dr. Mujahida Butt, Pakistan
Inderjit Kaur, India
Balwinder Singh Chatha, India
Dr. Ramni Batra, Canada

ADVISORY COMMITTEE

Shalini Datta, India
Dr. Amritpal Kaur, India
Dr. Balwinderr Singh Brar, India
Balwinder Kaur Chatha, Canada

PUBLISHER

ASEEM PUBLICATION INC.
Punjabi Business Professional Association,
45 Ray Lawson Blvd. Brampton, On. L6Y 3L4, CANADA
e-mail: punjabikalm2018@gmail.com M. 0016474031299

PRINTER : Ekta Printers, PTA

Composing : H.S. Computers

PRICE : \$ 25, Rs. 250

Sent your updates regarding this Journal

In Canada
Ajaib Singh Chatha
Tel : 905 791 1623
email : ajaib.chatha@gmail.com

In India
Arvinder Dhillon
Tel : 94175-56390
email : arvinderdhillon96@gmail.com

The Editor does not take any responsibility for the contents of article/research paper published in the journal

(Signature)
7/12/2022



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College

KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211

NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

ਤਤਕਰਾ

4

1. ਔਰਤ-ਮਰਦ ਆਸਥਾ ਦਾ ਬਿਰਤਾਂਤ : ਪਾਣੀ (ਅੰਮ੍ਰਿਤਪਾਲ ਕੌਰ)
2. ਰਵਿੰਦਰ ਰਵੀ ਰਚਿਤ ਕਾਵਿ-ਨਾਟਕ 'ਬੀਮਾਰ ਸਦੀ ਦੀਆਂ ਨਾਟ-ਜੁਗਤਾਂ' (ਪ੍ਰੋ. ਇੰਦਰਜੀਤ ਕੌਰ)
3. ਸ੍ਰ. ਜੇ.ਬੀ. ਸਿੰਘ ਬਨਾਮ ਗੁਰਮੁਖੀ ਲਿੱਪੀ ਦਾ ਚਿੰਤਕ (ਡਾ. ਪਲਵਿੰਦਰ ਕੌਰ)
4. ਸਮਕਾਲੀ ਪੰਜਾਬੀ ਕਹਾਣੀ ਦਾ ਸਮਾਜ ਸ਼ਾਸਤਰੀ ਅਧਿਐਨ
ਚੌਥੀ ਪੀੜ੍ਹੀ ਦੇ ਵਿਸ਼ੇਸ਼ ਸੰਦਰਭ ਵਿੱਚ (ਬਲਵੀਰ ਕੌਰ ਰੀਹਲ)
5. ਪਰਵਾਸੀ ਪੰਜਾਬੀ ਨਾਟਕ (ਡਾ. ਰਵਿੰਦਰ ਕੌਰ)
6. ਮਰਨਾ ਸੌਚ ਤੇ ਜੰਮਣਾ ਕੂੜ (ਗੁਰਜੀਤ ਕੌਰ)
7. ਭਗਤ ਕਬੀਰ ਜੀ ਦੀ ਬਾਣੀ ਵਿਚ ਸਮਾਜਿਕ, ਧਾਰਮਿਕ ਚੇਤਨਾ (ਗੁਰਪ੍ਰੀਤ ਸਿੰਘ)
8. ਪੰਜਾਬੀ ਨਾਵਲ ਵਿਚ ਸੈਨਿਕ ਜੀਵਨ ਦੇ ਆਰਥਿਕ ਪਾਸਾਰ (ਕਿਰਨਦੀਪ ਕੌਰ)
9. ਨਾਰੀਵਾਦ ਅਤੇ ਪੰਜਾਬੀ ਔਰਤ (ਡਾ. ਸੰਦੀਪ ਰਾਣਾ)
10. ਲਾਲ ਬੋਗ ਦੇ ਕੁਰਸੀਨਾਮੇ ਲੋਕ ਗਾਥਾ ਦਾ
ਸਮਾਜ ਭਾਸ਼ਾ ਵਿਗਿਆਨਿਕ ਅਧਿਐਨ (ਡਾ. ਅਮਨਦੀਪ ਕੌਰ)
11. ਪੰਜਾਬੀ ਸਮਾਜ ਸਭਿਆਚਾਰ ਵਿਚ ਕੰਮਕਾਜੀ ਔਰਤ ਦੀ ਸਥਿਤੀ (ਡਾ. ਮਨਜੀਤ ਕੌਰ)
12. ਜਸਵੰਤ ਦੀਦ ਦੀ ਕਵਿਤਾ ਵਿਚ ਮਾਨਵੀ ਰਿਸ਼ਤੇ (ਹਰਪਿੰਦਰ ਕੌਰ (ਡਾ.))
13. ਬਾਣੀ ਤੇ ਸਿੱਖ ਇਤਿਹਾਸ ਵਿਚ ਪੇਸ਼ ਨਾਰੀ ਬਿੰਬ
ਅਤੇ ਉਸਦੀ ਪ੍ਰਤੀਕਾਤਮਕਤਾ (ਡਾ. ਪਰਮਵੀਰ ਕੌਰ)
14. ਪਿੰਗਲ ਅਤੇ ਅਰੂਜ-ਇੱਕ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ (ਡਾ. ਫਤਿਹ ਸਿੰਘ)
15. ਪੰਜਾਬੀ ਕਵਿਤਾ ਵਿਚ ਸੱਥ ਦਾ ਸਰੂਪ (ਸੁਖਵਿੰਦਰ ਸਿੰਘ (ਡਾ.))
16. ਪਰਵਾਸ; ਸਿਖਿਆ ਅਤੇ ਅੰਤਰ-ਰਾਸ਼ਟਰੀ ਵਿਦਿਆਰਥੀ (ਅਰਵਿੰਦਰ ਢਿੱਲੋਂ)
17. ਸੱਭਿਆਚਾਰ ਅਤੇ ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ (ਡਾ. ਖੁਸ਼ਨਸੀਬ ਗੁਰਬਖਸ਼ੀਸ਼ ਕੌਰ)

ਪੁਸਤਕ ਰੀਵਿਊ

- ਵਿਸ਼ਵ ਪੰਜਾਬੀ ਕਾਨਫਰੰਸਾਂ ਦਾ ਇਤਿਹਾਸ (ਰਿਵਿਊਕਾਰ : ਪਰਮਜੀਤ ਕੌਰ)
- ਮੇਰੀਆਂ ਅਖਬਾਰੀ ਚਿੱਠੀਆਂ (ਰਿਵਿਊਕਾਰ : ਪਰਮਜੀਤ ਕੌਰ)
- ਕਿਸਾਨ-ਨਾਮਾ (ਰਿਵਿਊਕਾਰ : ਅਰਵਿੰਦਰ ਢਿੱਲੋਂ)
- Sikh Soldiers in Italy (World War II) (Review by : Sushminderjeet Kaur)



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

ਪੰਜਾਬੀ ਲੋਕ ਜੀਵਨ ਦੇ ਸੰਦਰਭ ਵਿਚ...

ਸੱਭਿਆਚਾਰ ਅਤੇ ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ

ਡਾ. ਖੁਸ਼ਨਸੀਬ ਗੁਰਬਖਸ਼ੀਸ਼ ਕੌਰ
ਅਸਿਸਟੈਂਟ ਪ੍ਰੋਫੈਸਰ, ਪੰਜਾਬੀ।

ਸੱਭਿਆਚਾਰ ਆਪਣੇ ਆਪ ਵਿਚ ਇੱਕ ਬਹੁਤ ਵੱਡਾ ਸੰਕਲਪ ਹੈ। ਇਸ ਨੂੰ ਹੁਣ ਤੱਕ ਬਹੁਤ ਸਾਰੇ ਵਿਦਵਾਨਾਂ, ਲੋਕਧਾਰਾ ਸ਼ਾਸਤਰੀਆਂ ਨੇ ਵੱਖ-ਵੱਖ ਰੂਪ ਵਿਚ ਪਰਿਭਾਸ਼ਤ ਕੀਤਾ ਹੈ। ਸੱਭਿਆਚਾਰ ਸ਼ਬਦ ਸੱਭਿਆ+ ਆਚਾਰ ਦੇ ਸ਼ਬਦਾਂ ਦੇ ਮੇਲ ਤੋਂ ਬਣਿਆ ਹੈ। ਅੰਗਰੇਜ਼ੀ ਵਿਚ ਇਸ ਨੂੰ ਕਲਚਰ ਦਾ ਨਾਂ ਦਿੱਤਾ ਜਾਂਦਾ ਹੈ। ਕਲਚਰ ਮਨੁੱਖ ਦੀ ਮਿਹਨਤ ਅਤੇ ਕਿਰਤ ਦਾ ਪ੍ਰਤੀਕ ਹੈ। ਸੱਭਿਆਚਾਰ ਅਤੇ ਮਨੁੱਖ ਦਾ ਆਪਸੀ ਬਹੁਤ ਗਹਿਰਾ ਸੰਬੰਧ ਹੈ। ਜਿੱਥੇ ਕਿਤੇ ਵੀ ਕੋਈ ਮਨੁੱਖ ਰਹਿੰਦਾ ਹੈ ਉਥੇ ਕੋਈ ਨਾ ਕੋਈ ਸੱਭਿਆਚਾਰ ਜਰੂਰ ਪੈਦਾ ਹੋਇਆ ਹੈ। ਸੱਭਿਆਚਾਰ ਤੋਂ ਬਿਨਾਂ ਮਨੁੱਖ ਦੀ ਹੋਂਦ ਨਿਰਾਰਥਕ ਵਰਗੀ ਹੈ।

ਹਰ ਖਿੱਤੇ ਦਾ ਆਪਣਾ ਸੱਭਿਆਚਾਰ ਹੁੰਦਾ ਹੈ ਤੇ ਸੱਭਿਆਚਾਰ ਦੇ ਨਾਲ-ਨਾਲ ਹੀ ਲੋਕਧਾਰਾ ਦੀ ਸਿਰਜਣਾ ਦਾ ਵਿਕਾਸ ਹੁੰਦਾ ਹੈ। ਸੱਭਿਆਚਾਰ ਸਰਵ ਵਿਆਪਕ ਵਰਤਾਰਾ ਹੈ। ਸੱਭਿਆਚਾਰ ਦੀ ਵਿਆਪਕਤਾ ਬਾਰੇ ਗੁਰਬਖਸ਼ੀਸ਼ ਸਿੰਘ ਫਰੈਂਕ ਦਾ ਕਹਿਣਾ ਹੈ, "ਅਸਲ ਵਿੱਚ ਕੋਈ ਵੀ ਕੌਮ ਜਾਂ ਕੋਈ ਜਨ-ਸਮੂਹ ਜਿਹੜਾ ਸਮਾਜ ਦੇ ਨਾਂ ਨਾਲ ਜਾਣਿਆ ਜਾਂਦਾ ਹੈ, ਸੱਭਿਆਚਾਰ ਤੋਂ ਸੱਖਣਾ ਨਹੀਂ ਹੁੰਦਾ ਭਾਵੇਂ ਉਹ ਵਿਕਾਸ ਦੇ ਕਿਸੇ ਵੀ ਪੜਾਅ ਉੱਤੇ ਕਿਉਂ ਨਾ ਹੋਵੇ।" ਜੇਕਰ ਇਸ ਦੀ ਸਿਰਜਣਾ ਬਾਰੇ ਗੱਲ ਕਰੀਏ ਤਾਂ ਇਸ ਦਾ ਸਮਾਂ ਹਜ਼ਾਰਾਂ ਸਾਲ ਪਹਿਲਾਂ ਮੰਨ ਸਕਦੇ ਹਾਂ। ਓਮ ਪ੍ਰਕਾਸ਼ ਗਾਸੋਂ ਇਸ ਦੇ ਆਰੰਭ ਬਾਰੇ ਕਹਿੰਦਾ ਹੈ ਕਿ, "ਅਹਿਲ ਪੱਥਰਾਂ ਅਤੇ ਪਹਾੜਾਂ ਵਿਚ ਵੱਸਦਿਆਂ ਆਦਮ ਮਨੁੱਖ ਨੇ ਨਦੀ ਦੀ ਧਾਰਾ ਨੂੰ ਤੱਕਿਆ, ਧਾਰਾ ਦੀ ਤੋਰ, ਧਾਰਾ ਦੀ ਰਵਾਨਗੀ ਤੋਂ ਪ੍ਰੇਰਿਤ ਹੋ ਕੇ ਧਾਰਾ ਦੇ ਮੁੱਢ ਤੱਕ ਪੁੱਜਣ ਦੇ ਮਨੁੱਖੀ ਅਹਿਸਾਸ ਨੇ ਮਨੁੱਖ ਅੰਦਰ ਤਤਪ, ਕਲਪਨਾ, ਚਿੰਤਨ ਅਤੇ ਜਾਗ੍ਰਿਤੀ ਦੇ ਚਾਨਣ ਦਾ ਨਿੱਕਾ ਜਿਹਾ ਦੀਵਾ ਬਾਲਿਆ ਹੋਵੇਗਾ। ਆਪਣੇ ਅਹਿਸਾਸ ਦੀ ਇਸ ਨਿੱਕੀ ਜਿਹੀ ਜੋਤ ਦੇ ਚਾਨਣ ਨੂੰ ਝੱਖੜਾਂ, ਤੂਫਾਨਾਂ, ਹਵਾ, ਮੀਂਹ, ਰੁੱਤ ਅਤੇ ਮਾਰੂ ਮਾਰਾਂ ਤੋਂ ਬਚਾਉਣ ਲਈ ਮਰਦ ਅਤੇ ਔਰਤ ਦੇ ਹੱਥ ਮਿਲੇ ਹੋਣਗੇ। ਸਹਿਯੋਗ ਦੀ ਇਹ ਸਿਰਜਣਾ ਹੀ ਮੁਢਲੇ

120

ਇਟਰਨੈਸ਼ਨਲ ਜਨਰਲ ਆਫ ਪੰਜਾਬੀ ਲਿਟਰੇਚਰ, ਲੈਂਗੁਏਜ ਐਂਡ ਕਲਚਰ



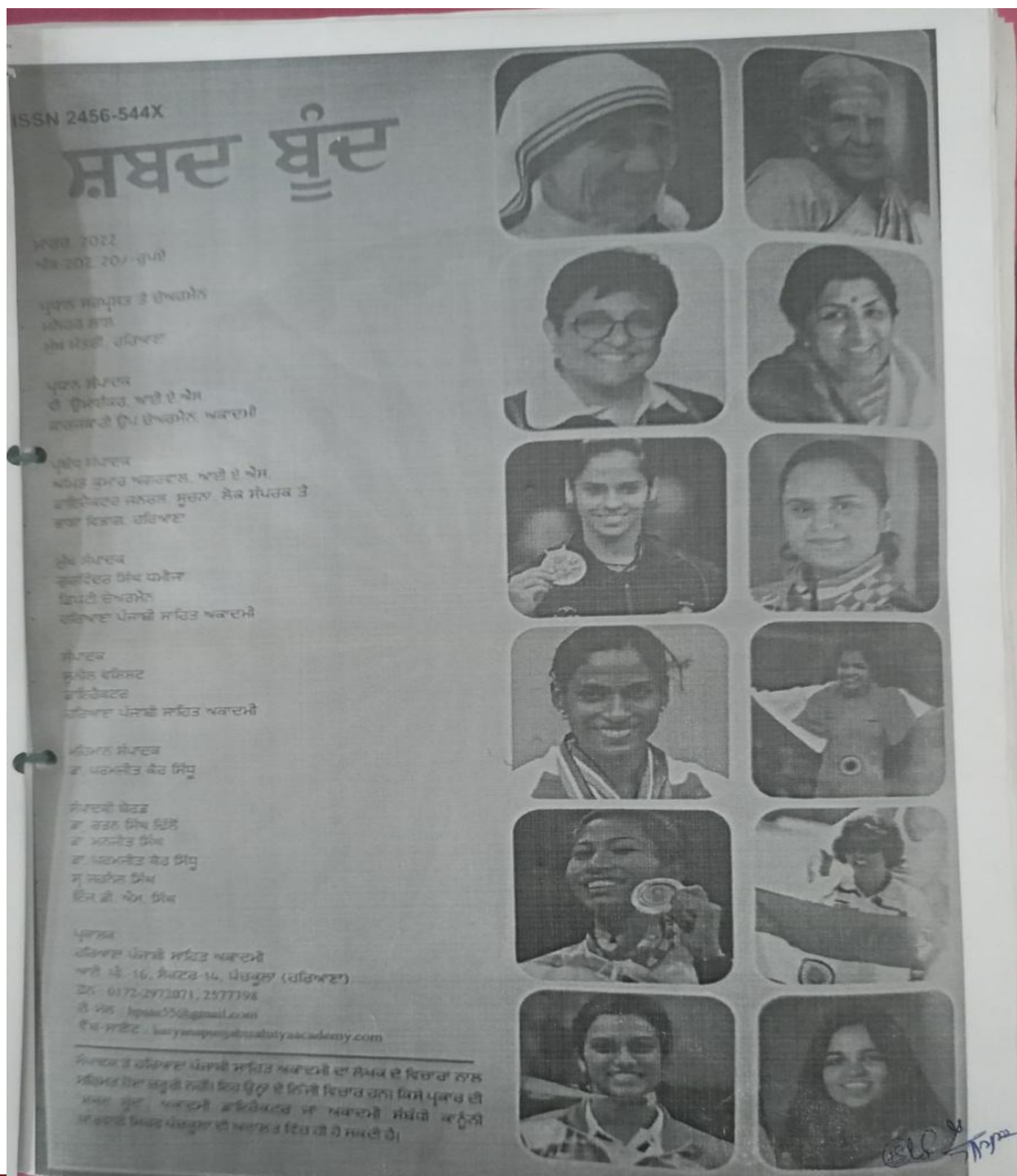
GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh



Principal
Guru Nanak College
Killianwali (Sri Muktsar Sahib)



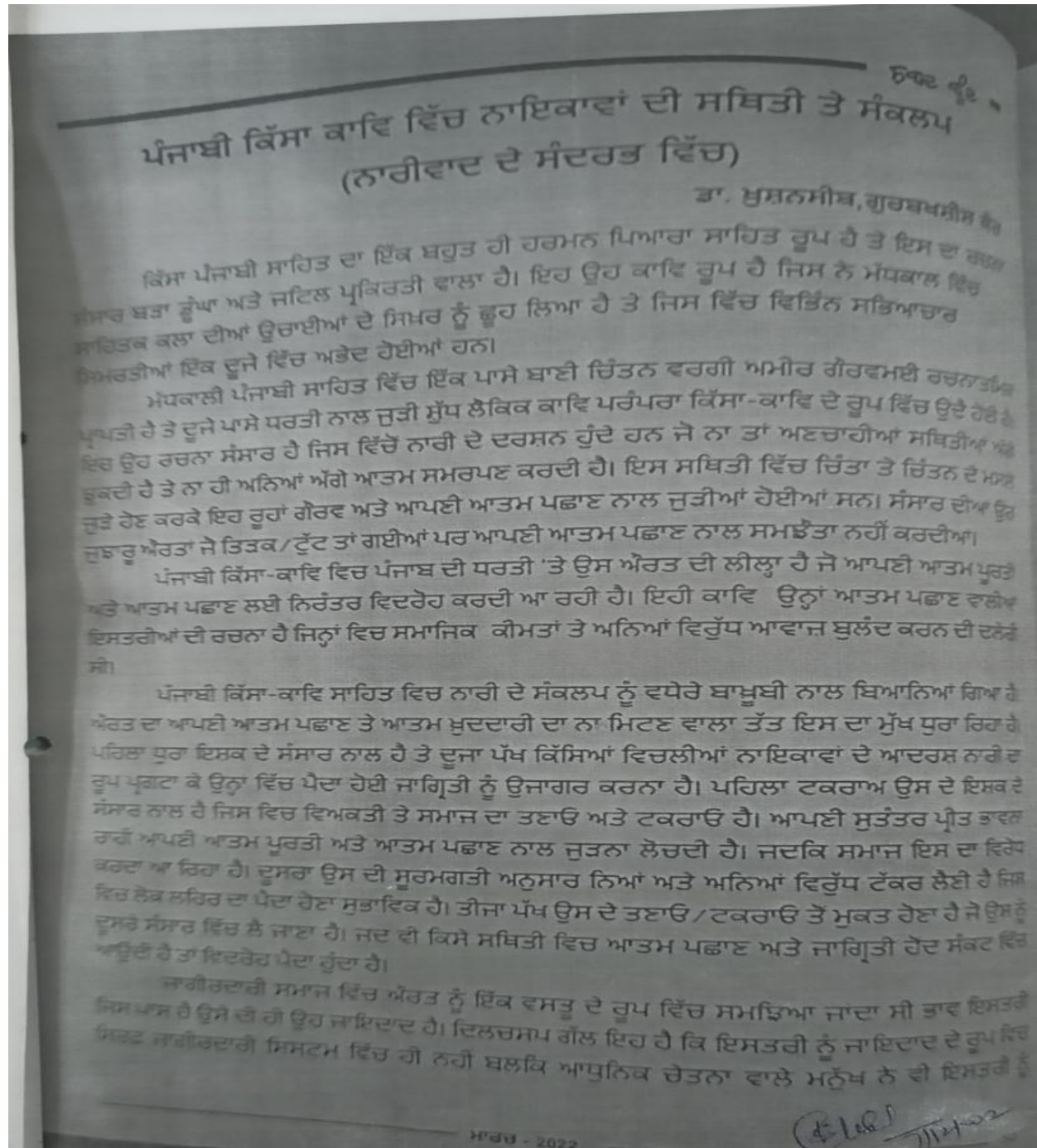


GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

ਤਤਕਰਾ		ਪੰਨਾ
ਚਰਚਾ	ਲੇਖਕ	
ਜਦੋਂ ਐਰਤ ਕਲਮ ਚੁੱਕਦੀ ਹੈ।	ਪਾਲ ਕੋਰ	09
ਪਰਵੇਸ਼ ਕੋਰ ਸੰਧੂ ਦੀਆਂ ਕਹਾਣੀਆਂ ਵਿਚ ਨਾਰੀ ਸੰਵੇਦਨਾ	ਪ੍ਰਿੰਸੀਪਲ ਰੁਪਿੰਦਰ ਕੋਰ ਸੰਧੂ	15
ਪੰਜਾਬੀ ਕਹਾਣੀ ਵਿੱਚ ਨਾਰੀ ਸਰੋਕਾਰ	ਡਾ. ਸਤਵੰਤ ਕੋਰ ਮਾਨ	19
ਨਾਰੀ ਮਾਨਸਿਕਤਾ ਦਾ ਚਿਤਰਮਾਨ ਕਰਦੀ ਸਾਇਰੀ	ਅਰਵਿੰਦਰ ਕੋਰ ਕਾਕਤਾ	26
ਉਥੇ ਹੀ ਐਰਤਾਂ ਵਰਗੀਆਂ	ਡਾ. ਹਿੰਦੂ ਗੁਪਤਾ	35
ਪੰਜਾਬੀ ਸਾਹਿਤ ਵਿਚ ਐਰਤ ਦੀ ਪੈਂਤ ਦਾ ਬਿਆਨ	ਡਾ. ਸੁਖਵਿੰਦਰ ਕੋਰ ਕੰਵਲ	36
ਐਰਤ ਦੀ ਸਮਾਜਿਕ ਸਥਿਤੀ ਦਾ ਪੇਸ਼ਕਾਰੀ ਕਰਦਾ ਕਹਾਣੀ-ਸੰਗ੍ਰਹਿ 'ਜਲਾਲੀ ਪੈਦ' ਦਾ ਇਕ ਵਿਸ਼ਲੇਸ਼ਣ	ਡਾ. ਚਰਨਜੀਤ ਕੋਰ	39
ਮਾਂ	ਦਲਜੀਤ ਕੋਰ ਦਾਉ	42
ਵਧੀਕਾ ਕਵਿ ਵਿੱਚ ਨਾਰੀ ਚੇਤਨਾ	ਡਾ. ਜਸਵੀਰ ਕੋਰ	43
ਬਾਬਲ ਦਾ ਘਰ	ਅਰਵਿੰਦਰ ਸੰਧੂ	49
ਪੰਜਾਬੀ ਕਿੱਸਾ ਕਵਿ ਵਿੱਚ ਨਾਇਕਾਵਾਂ ਦੀ ਸਥਿਤੀ ਤੇ ਸੰਕਲਪ (ਨਾਰੀਵਾਦ ਦੇ ਸੰਦਰਭ ਵਿੱਚ)	ਡਾ. ਖੁਸ਼ਨਸੀਬ ਗੁਰਬਖਸ਼ੀਸ਼ ਕੋਰ	50
ਗਿਣ ਰੁਮਾਰ ਦੀ ਨੂਣਾ ਵਿਚ ਨਾਰੀ ਵੰਦਨਾ	ਡਾ. ਸੋਨੀਆ	54
ਪੰਜਾਬੀ ਲੋਕ-ਸਾਹਿਤ ਵਿਚ ਨਾਰੀ ਚਿਤਰਣ	ਡਾ. ਗੁਰਜਿੰਦਰ ਕੋਰ	59
ਲਾਨਕ ਬਾਣੀ ਵਿਚ ਨਾਰੀ	ਡਾ. ਮਾਨਤਾ	67
ਕਵਾ ਇਕ ਕਨਯੁੱਗ ਦੀ ਕਹਾਣੀ ਸੰਗ੍ਰਹਿ ਵਿੱਚ ਨਾਰੀ ਸਰੋਕਾਰ	ਡਾ. ਸਵਰਨਜੀਤ ਕੋਰ	71
ਚੰਦਨ ਨੇੜੀ ਦੇ ਨਾਵਲਾਂ ਵਿਚ ਨਾਰੀ ਚਿੰਤਨ	ਅੰਮ੍ਰਿਤਪਾਲ ਕੋਰ ਵਿਰਕ	80
ਸਮਕਾਲੀ ਪੰਜਾਬੀ ਨਾਰੀ ਕਵਿਤਾ	ਡਾ. ਗੁਰਪ੍ਰੀਤ ਕੋਰ	84
ਵਰਜਿਤ ਇਤਿਹਾਸ ਦੇ ਧਾਰਾਵਾਂ ਦੀ ਪੇਸ਼ਕਾਰੀ: ਬੇਗਨਵਿਲਾ ਦੇ ਵਸਤਰ	ਡਾ. ਸੋਨੀਆ	89
'ਤੂਮ ਫਿਊ ਉਦਾਸ ਹੋ' (ਨਾਰੀ ਚੇਤਨਾ ਤੇ ਬਾਲੀਵੁੱਡ)	ਸੁਧਾ ਸਰਮਾ	92
ਪਾਲ ਕੋਰ ਕਵਿ ਦੇ ਮੂਲ ਸਰੋਕਾਰ	ਪ੍ਰਿੰਸੀਪਲ	99
ਐਰਤ, ਲਕੜੀ ਅਤੇ ਸਿਆਣਪ	ਸੁਰਜੀਤ (ਟੋਰਾਟੋ)	104
8 ਮਾਰਚ: ਨਾਰੀ ਅਸਤਿਤਵ ਦੀ ਘੋਸ਼ਣਾ	ਡਾ. ਗੁਰਪ੍ਰੀਤ ਕੋਰ ਗਿੱਲ	109
'ਐਰਤ-ਰਾਸ਼ਟਰੀ ਪੀਠ' ਤੇ 'ਐਰਤਾਂ ਦਾ ਦਿਨ' (ਭੂਮੇਨ ਫੋਅ)	ਡਾ. ਪ੍ਰਿਤ ਪਾਲ ਕੋਰ ਚਾਹਲ	112
ਐਰਤ	ਕਮਲਜੀਤ ਕੋਰ ਧਾਲੀਵਾਲ	114
ਆਪਣੇ ਠੇਕਾ ਪ੍ਰਤੀ ਜਾਗਰੂਕ ਨਾਰੀ	ਚਰਨਜੀਤ ਕੋਰ	115
ਸੋ ਜਿਉ ਮੇਰਾ ਆਖੀਐ ਨਿਤੁ ਜੋਮਹਿ ਰਾਜਨ।	ਡਾ. ਦਲਜੀਤ ਕੋਰ ਵਿਰਕ	118
ਮਹਿਕਾ ਕਾ ਮੈ ਅਵਤਾਰ ਨਹੀਂ	ਐਡਵੋਕੇਟ ਨਰਾ ਧਵਨ	119
ਨਾਰੀ ਵਿਰਸੇ	ਰਾਜਵਿੰਦਰ ਕੋਰ	
ਸ਼ਿਸ਼ੂ ਦੀ ਸਭ ਤੋਂ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਰਚਨਾ 'ਤੇ ਐਰਤ	ਪ੍ਰਿ. ਅੰਮ੍ਰਿਤ ਅਮਨਦੀਪ ਗਰੇਵਰ	123

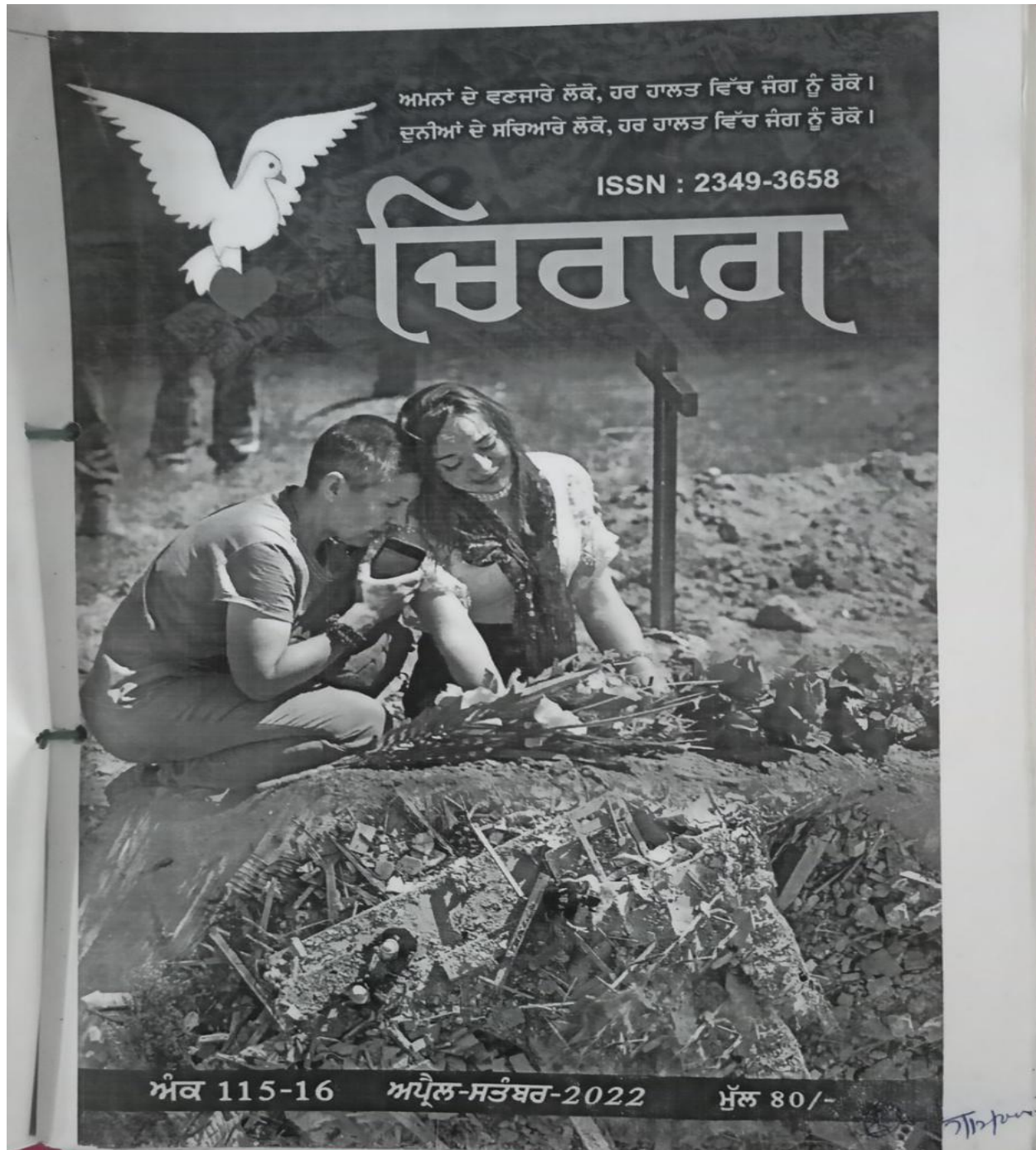




GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh



Principal
Guru Nanak College
Killianwali (Sri Muktsar Sahib)



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College
KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211
NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

CHIRAG QUARTERLY

ISSN 2349-3658

APRIL-SEPTEMBER-2022

Registered with the Registrar of News-Papers of India No. PUN-PUN 0 2276/AL/TC94

ਸਾਹਿਤ, ਭਾਸ਼ਾ ਅਤੇ ਸਭਿਆਚਾਰ ਦਾ ਅੰਤਰਰਾਸ਼ਟਰੀ ਤ੍ਰੈਮਾਸਿਕ

CHIRAG is an International Quarterly of Literature,

Language and Culture

ਚਿਰਾਗ (ਤਿਮਾਹੀ) ISSN 2349-3658

ਸਰਪ੍ਰਸਤ : ਹਰਭਜਨ ਸਿੰਘ

ਸੰਪਾਦਕ : ਡਾ. ਕਰਮਜੀਤ ਸਿੰਘ

ਸੰਪਾਦਕੀ ਮੰਡਲ : ਲਾਲ ਸਿੰਘ, ਮੱਖਣ ਕੁਹਾੜ, ਸੁਲੱਖਣ ਸਰਹੱਦੀ, ਜਰਨੈਲ ਸਿੰਘ ਟਰਾਂਟੋ,

ਡਾ. ਜਸਵੰਤ ਰਾਏ, ਡਾ. ਹਰਪ੍ਰੀਤ ਸਿੰਘ ਹੁੰਦਲ, ਡਾ. ਤੇਜਿੰਦਰ ਵਿਰਲੀ

ਪ੍ਰਤੀਨਿਧ : ਗਿਆਨ ਸਿੰਘ ਬਿਲਗਾ (ਯੂ.ਐਸ.ਏ.), ਨਵਤੇਜ ਸਿੰਘ (ਕੈਨੇਡਾ)

ਤਤਕਰਾ

- ਕਹਾਣੀ: ਕਥਾ ਕਾਲੀ-ਕਿਤਾਬ ਦੀ ਲਾਲ ਸਿੰਘ/1
- ਕਹਾਣੀ: ਇਕ ਲੱਪ ਚਾਨਣ ਦੀ -ਤ੍ਰਿਪਤਾ ਕੇ ਸਿੰਘ/12
- ਕਹਾਣੀ: ਇੱਕ ਸਵਾਲ ਜਤਿੰਦਰ ਰੰਧਾਵਾ/18
- ਕਹਾਣੀ: ਗੱਦਾਂ -ਸਿਮਰਨ ਧਾਲੀਵਾਲ/29
- ਕਹਾਣੀ: ਕੁੱਝ 'ਚ ਉੱਗਿਆ ਘਾਹ ਕਰਮਜੀਤ ਸਿੰਘ ਨਡਾਲਾ/36
- ਨਾਵਲ ਅੰਸ਼: ਜਾਣ-ਪਛਾਣ-ਮਦਨ ਵੀਰਾ/45
- ਡਾ. ਰੋਣਕੀ ਰਾਮ, ਚੜ੍ਹਦੇ ਪੰਜਾਬ ਵਿਚ ਪੰਜਾਬੀ ਕੌਮ ਦੇ ਜਾਤੀ ਅਤੇ ਜਮਾਤੀ ਮਸਲੇ/57
- ਪੋਜ਼: ਸ਼ੰਬੂਕ ਦੀ ਮਿਥ: ਪਾਠ ਅਤੇ ਪ੍ਰਵਚਨ-ਡਾ. ਮਨਜਿੰਦਰ ਸਿੰਘ/69
- ਭਾਰਤ ਵਿੱਚ ਅੰਗਰੇਜ਼ੀ ਰਾਜ ਦੇ ਸਮੇਂ ਪੰਜਾਬ ਬਾਰੇ ਪ੍ਰਾਪਤ ਯਾਤਰਾ-ਬਿਰਤਾਂਤਾਂ ਵਿੱਚ ਪੋਸ਼ ਪੰਜਾਬ ਅਤੇ ਪੰਜਾਬੀ ਬੰਦਾ: ਲੋਕਧਾਰਾਈ ਅਧਿਐਨ-ਸਰਬਜੀਤ ਕੌਰ ਬਾਵਾ/81
- ਆਲੋਚਨਾ: ਲੇਖਕ ਦੀ ਸਮਾਜਿਕ ਭੂਮਿਕਾ - ਡਾ. ਖੁਸ਼ਨਸੀਬ ਕੌਰ/107

- ਆਲੋਚਨਾ: ਹੀਰ ਵਾਰਿਸ ਸ਼ਾਹ ਇਕ ਆਰਟ ਗੈਲਰੀ -ਗਜ਼ਨਫ਼ ਬੁਖਾਰੀ ਫ਼ਾਇਜ਼ਾਬਾਦ (ਪਾਕਿਸਤਾਨ)/111
- ਭਾਈ ਲਾਲੋ-ਸੁਖਵਿੰਦਰ ਅੰਮ੍ਰਿਤ/116
- ਪੰਜ ਕਵਿਤਾਵਾਂ- ਮਦਨ ਵੀਰਾ/118
- ਗਜ਼ਲਾਂ: ਸੁਬੀਲ ਦੁਸਾਂਝ-126, ਮਨਜੀਤ ਪੁਰੀ-128, ਬੁਬਰਾ ਨਾਜ਼-131, ਸ਼ਗੀਰ ਤਬੱਸੁਮ (ਲਿਪੀਆਂਤਰ-ਸਰਬਜੀਤ ਸਿੰਘ ਸੰਧੂ)-134, ਇਰਸ਼ਾਦ ਸੰਧੂ-137, ਤਾਹਿਰਾ ਸਰਾਂ-56, ਗੀਤ ਅਕਰਮ ਖ਼ਾਂ, ਜ਼ਫ਼ਰ ਇਕਬਾਲ (ਚੂਨੀਆਂ), ਅਮਜਦ ਰਸੂਲ ਅਮਜਦ, ਅਲੀ ਸ਼ਹਿਬਾਜ਼ ਬਾਬ, ਲਿਆਕਤ ਗੱਡਗੋਰ, ਇਕਬਾਲ ਹਮੀ, ਵਲੀ ਮੁਹੰਮਦ ਅਜਮੀ
- ਪੁਸਤਕਾਂ: ਬੇ-ਚੈਨ ਤੇ ਕੁਠਿਤ ਮਾਨਸਿਕਤਾ ਦੀਆਂ ਕਹਾਣੀਆਂ ਝਾਂਜਰਾਂ ਵਾਲੇ ਪੈਰ (ਅਰਵਿੰਦਰ ਕੌਰ ਧਾਲੀਵਾਲ) ਨਿਰੰਜਣ ਬੋਹਾ/145
- ਸਮਾਜਿਕ ਮਸਲਿਆਂ ਦੀ ਦਸਤਾਵੇਜ਼-ਲੇਬਰ ਚੋਕ ਦੀਆਂ ਅੱਖਾਂ -ਡਾ.ਲਕਸ਼ਮੀ ਨਰਾਇਣ ਭੀਖੀ/150
- ਵਲੰਧਰੀ ਹੋਈ ਪਾਕਿ-ਮੁਹੱਬਤ ਦਾ ਦਸਤਾਵੇਜ਼: ਨਾਟਕ 'ਉਡੀਕ'-ਸੁਖਵਿੰਦਰ ਕੌਰ/155

ਚਿਰਾਗ ਡਾਇਰੈਕਟਰ ਸਿੱਖਿਆ ਵਿਭਾਗ (ਸ) ਪੰਜਾਬ, ਚੰਡੀਗੜ੍ਹ ਦੇ ਪੱਤਰ ਨੰ. 4/1-96 ਐਡੀਟਰ (ਪੰ) ਮਿਤੀ 3-9-1996 ਦੇ ਅਨੁਸਾਰ ਹਾਈ/ ਹਾਇਰ ਸੈਕੰਡਰੀ ਸਕੂਲਾਂ ਲਈ ਪ੍ਰਵਾਨ ਹੈ। ਰਚਨਾ 'ਚ ਦਰਜ ਵਿਚਾਰਾਂ ਲਈ ਲੇਖਕ ਖੁਦ ਜ਼ਿੰਮੇਵਾਰ ਹੈ। ਕਿਸੇ ਕਿਸਮ ਦੀ ਅਦਾਲਤੀ ਕਾਰਵਾਈ ਸਿਰਫ਼ ਜਲੰਧਰ 'ਚ ਹੋ ਸਕਦੀ ਹੈ।

ਡਾ. ਅਨੂਪ ਸਿੰਘ ਪ੍ਰਿੰਟਰ ਤੇ ਪਬਲਿਸ਼ਰ ਨੇ ਪੰਜ ਆਬ ਪ੍ਰਿੰਟਰਜ਼, ਦੇਸ਼ ਭਗਤ ਯਾਦਗਾਰ ਬਿਲਡਿੰਗ, ਜੀ. ਟੀ. ਰੋਡ, ਜਲੰਧਰ (ਫੋਨ- 98140-87063, 0181-2239181) ਤੋਂ ਛਪਵਾ ਕੇ ਸ਼ਹੀਦ ਸਰਵਣ ਸਿੰਘ ਚੀਮਾ ਭਵਨ 352/1 ਗੜ੍ਹਾ (ਜਲੰਧਰ) ਫੋਨ- 0181-2483033 ਤੋਂ ਪ੍ਰਕਾਸ਼ਤ ਕੀਤਾ।

ਆਲੋਚਨਾ:

ਲੇਖਕ ਦੀ ਸਮਾਜਿਕ ਭੂਮਿਕਾ

ਡਾ. ਖੁਸ਼ਨਸੀਬ ਕੌਰ



ਲੇਖਕ ਸ਼ਬਦ ਮਨੁੱਖ ਦੁਆਰਾ ਲਿਖੀ ਦੀ ਇਜਾਦ ਨਾਲ ਹੋਂਦ ਵਿਚ ਆਇਆ। ਇਸਤੋਂ ਪਹਿਲਾਂ ਮਨੁੱਖ ਦੇਵੀ ਦੇਵਤਿਆਂ ਦੇ ਰੂਪ ਵਿਚ ਅਗੰਮੀ ਸ਼ਕਤੀਆਂ ਦੀ ਉਸਤਤੀ ਵਿਚ ਮੰਤਰਾਂ ਦਾ ਉਚਾਰਨ ਹੀ ਕਰਦਾ ਸੀ। ਇਹੀ ਉਹਦੀ ਪਹਿਲੀ ਕਾਵਿ ਸਿਰਜਣਾ ਸੀ। ਸਾਡੇ ਦੇਸ਼ ਅੰਦਰ ਸਭ ਤੋਂ ਪੁਰਾਣਾ ਗ੍ਰੰਥ ਰਿਗਵੇਦ, ਪਹਿਲਾਂ ਰਿਸ਼ੀਆਂ ਮੁਨੀਆਂ ਦੁਆਰਾ ਜੁਬਾਨੀ ਹੀ ਉਚਾਰਿਆ ਜਾਂਦਾ ਰਿਹਾ। ਬਹੁਤ ਚਿਰ ਬਾਅਦ ਉਸਨੂੰ ਲਿਖਤੀ ਰੂਪ ਮਿਲਿਆ।

ਸਮਾਜ ਦੀ ਵਰਗ ਵੰਡ ਨੇ ਲੇਖਕ/ਸਾਹਿਤਕਾਰ ਨੂੰ ਦੋ ਵਰਗਾਂ ਵਿਚ ਵੰਡ ਦਿੱਤਾ। ਇਕ ਸੀ ਦਰਬਾਰੀ ਸਾਹਿਤਕਾਰ ਜੋ ਰਾਜਿਆਂ ਜਾਗੀਰਦਾਰਾਂ ਦੇ ਦਰਬਾਰਾਂ ਦੀ ਸ਼ੋਭਾ ਬਣਿਆ ਅਤੇ ਜੋ ਰਾਜਿਆਂ, ਮਹਾਰਾਜਿਆਂ ਦੀ ਉਪਮਾ ਵਿਚ ਹੀ ਲੱਗਾ ਰਿਹਾ। ਦੂਜਾ ਸਾਹਿਤਕਾਰ ਲੋਕ ਸਾਹਿਤਕਾਰ ਸੀ ਜੋ ਜ਼ਿੰਦਗੀ ਦੀਆਂ ਤੰਗੀਆਂ ਤੁਰਸ਼ੀਆਂ ਅਤੇ ਉਪਰਲੇ ਵਰਗ ਦੀਆਂ ਜ਼ਿਆਦਤੀਆਂ ਦੀ ਤਕਲੀਫ਼ ਤੋਂ ਬੋਝਚਿਰੀ ਰਾਹਤ ਦਿੰਦਾ ਅਤੇ ਮੁੜ ਕੰਮ ਵਿਚ ਜੁੱਟਣ ਲਈ ਮਾਨਸਿਕ ਠੰਮਣਾ ਬਣਦਾ। ਇਸ ਵਿਚ ਜੋ ਕਿਤੇ ਵਿਰੋਧ ਹੁੰਦਾ ਤਾਂ ਉਹ ਵਿਅੰਗ ਦਾ ਰੂਪ ਧਾਰਦਾ ਪਰ ਸਮੁੱਚੇ ਤੌਰ 'ਤੇ ਉਹ ਸਮਾਜਿਕ ਵਿਦਰੋਹ ਨੂੰ ਨਹੀਂ ਸੀ ਉਕਸਾਉਂਦਾ। ਉਪਰਲੇ ਵਰਗ ਦਾ ਸਾਹਿਤਕਾਰ ਬੌਧਿਕ ਘੁਣਤਰਾਂ ਕੱਢਣ ਵਿਚ ਇਨ੍ਹਾਂ ਤਾਕ ਸੀ ਤੇ ਸ਼ਾਸਕ ਵਰਗ ਉਸਨੂੰ ਸਰਪ੍ਰਸਤੀ ਦੇ ਰਿਹਾ ਹੁੰਦਾ ਸੀ ਇਸ ਲਈ ਉਸਦੇ ਵਿਚਾਰ ਹੀ ਲੋਕਾਂ ਦੇ ਅਵਚੇਤਨ ਦਾ ਹਿੱਸਾ ਬਣਦੇ ਰਹੇ। ਭਾਗਵਾਦ, ਕਿਸਮਤਵਾਦ ਆਦਿ ਵਿਚਾਰ ਇਵੇਂ ਹੀ ਜੜ੍ਹਾਂ ਫੜਦੇ ਰਹੇ।

ਸਾਹਿਤਕਾਰਾਂ ਦੀ ਚੇਤਨ ਤੌਰ 'ਤੇ ਸਮਾਜਿਕ ਭੂਮਿਕਾ ਨਿਰਧਾਰਤ ਕਰਨ ਦਾ ਕੰਮ ਪ੍ਰਗਤੀਸ਼ੀਲ ਲਹਿਰ ਨੇ ਹੀ ਕੀਤਾ, ਵਿਸ਼ੇਸ਼ ਤੌਰ 'ਤੇ ਲੇਖਕ ਸਾਮੂਹਿਕ ਤੌਰ ਤੇ ਸਮਾਜਿਕ ਸਰੋਕਾਰਾਂ ਲਈ ਲਾਮਬੰਦ ਹੋ ਕੇ ਫਾਸ਼ੀਵਾਦ ਵਰਗੀ ਵਿਚਾਰਧਾਰਾ ਵਿਰੁੱਧ ਲੜ ਵੀ ਸਕਦੇ ਹਨ, ਇਹ ਇਸ ਲਹਿਰ ਨੇ ਹੀ ਸਿਖਾਇਆ। ਅਮਨ ਸ਼ਾਂਤੀ ਲਈ ਸਿਰਜਣਾ, ਹੇਠਲੇ ਲੁੱਟੇ ਜਾਂਦੇ ਵਰਗ ਦਾ ਪੱਖ ਪੂਰਨਾ, ਔਰਤ ਦੀ ਦੋਹਰੀ ਗ਼ੁਲਾਮੀ ਨੂੰ ਸਮਝਣਾ, ਲੋਕ ਬੋਲੀਆਂ ਅਤੇ ਮਾਤਭਾਸ਼ਾਵਾਂ ਪ੍ਰਤੀ ਜਾਗਰੂਕਤਾ ਦੇ ਨਾਲ ਨਾਲ ਇਕ ਵੱਖਰੇ ਲੋਕ ਪੱਖੀ ਸੁਹਜ ਸ਼ਾਸਤਰ ਦਾ ਨਿਰਮਾਣ ਵੀ ਇਸੇ ਲਹਿਰ ਦੇ ਹਿੱਸੇ ਆਇਆ।

ਇਸ ਲਹਿਰ ਦੇ ਖਿਲਾਫ਼ ਪਤਾ ਨਹੀਂ ਹੁਣ ਤੱਕ ਕਿੰਨੇ ਵਾਦ ਪੈਦਾ ਹੋ ਚੁੱਕੇ ਹਨ। ਸੋਰਚਨਾਵਾਦ, ਰੂਪਵਾਦ, ਚਿੰਨਵਾਦ, ਨਵੀਂ ਅਮੇਰਿਕਨ ਆਲੋਚਨਾ ਆਦਿ ਸਿੱਧੇ ਅਸਿੱਧੇ ਪ੍ਰਗਤੀਸ਼ੀਲ, ਇਤਿਹਾਸਕ, ਸਮਾਜਿਕ ਸਰੋਕਾਰਾਂ ਦੀ ਅਣਦੇਖੀ ਕਰਕੇ ਪਹਿਲ ਪ੍ਰਗਟਾਅ-ਢੰਗਾਂ ਨੂੰ ਦਿੰਦੇ ਹਨ। ਸ਼ਬਦਾਂ ਨੂੰ ਅਰਥਾਂ ਤੋਂ ਤੋੜਨ ਦਾ ਜਤਨ ਇਹ ਹੈ ਕਿ ਅਰਥ ਲੋਕ ਪੱਖੀ ਹੈ ਜਿਸਨੂੰ ਦਰਕਿਨਾਰ ਕਰ ਦਿੱਤਾ ਜਾਵੇ। ਅਜੋਕੇ ਵਿਸ਼ਵੀਕਰਨ ਅਤੇ ਉਤਰਆਧੁਨਿਕਤਾਵਾਦੀ ਵਿਚਾਰਧਾਰਾ ਦਾ ਤਰਕ ਹੀ ਇਹ ਹੈ ਕਿ ਮਹਾਂਬਿਰਤਾਂਤ ਦਾ ਅੰਤ ਹੋ ਚੁੱਕਾ ਹੈ ਅਤੇ ਨਾਲ ਹੀ

ਚਿਰਾਗ : ਅਪ੍ਰੈਲ-ਸਤੰਬਰ 2022 • 107



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College

KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211

NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

- **Dr. Payal Singla**

ADV MATH
SCI JOURNAL

Advances in Mathematics: Scientific Journal **10** (2021), no.3, 1389–1396
ISSN: 1857-8365 (printed); 1857-8438 (electronic)
<https://doi.org/10.37418/amsj.10.3.27>

PRODUCTION PROBLEM WITH THE CONCEPTION OF TASK (JOB) BLOCK CRITERIA

Deepak Gupta¹, Payal Singla, and Sourav Singla

ABSTRACT. The following research study is an attempt at finding the solution regarding the ever present complication of scheduling of n tasks being prepared on the machines with a special focus on preparing time consisting of the shipping time as well as arbitrary lags. These lags include both or any of the start lag and stop lag. The main aim lies in finding an optimal order such that make span could be minimized. To support the conceptual viewpoint an illustrative example with numerical data entries has also been included.

1. INTRODUCTION

Flow shop scheduling is an integral problems with every big or small organisation. No wonder it finds its applicability in industrial sector, the most. The essence of scheduling algorithms to reduce the total production time of tasks. Scheduling of operations is very difficult in itself. However without considering the important and practically fundamental are one of the widest known optimization techniques. The essence of scheduling algorithm is to reduce the total production time of tasks. Scheduling of operations is very difficult issues

¹corresponding author

2020 Mathematics Subject Classification. 00A69.

Key words and phrases. Flow Shop, Start Lags, Stop Lags, Shipping Time, Job-Block.

Submitted: 22.02.2021; Accepted: 13.03.2021; Published: 22.03.2021.



3-STAGE PRODUCTIONS SCHEDULING WITH THE CONCEPT OF SET UP TIME INCLUDING ARBITRARY LAGS

Sourav Singla*, Payal Singla** and Deepak Gupta***

*&**Research Scholar, Deptt. of Mathematics, MM University, Mullana (Ambala)

***Prof. & HOD, Deptt. of Mathematics, MM University, Mullana (Ambala)

E-mail : guptadeepak2003@yahoo.co.in, sourav10singla@gmail.com

ABSTRACT

In this paper the concept of arbitrary lags (start lag and stop lag) in n -jobs, 3-machines flow shop scheduling problem where setup time are treated as separate from processing time and transportation time of jobs has been studied. The objective of the study is to propose an algorithm by which we can minimize the make-span in three stage flow shop scheduling problem. A numerical illustration is given to demonstrate the computational efficiency of proposed algorithm as a valuable analytical tool for the researchers.

Keywords: Flow Shop, Setup Time, Shipping Time, Start Lag, Stop Lag.

INTRODUCTION

Flow shop scheduling problems are one of the widest known optimization techniques. The essence of scheduling algorithm is to minimize the make span in a flow shop environment. Scheduling of operations is very difficult issues in the planning, managing of manufacturing processes. The scheduling problems depend upon the important factors like transportation time breakdown effect, total elapsed time, etc. In general, an n job- m machine scheduling problem has $[(n!).(m!)]$ possible outcome. Such a problem does not leave any space for a pen and paper solution. However by staying in the boundaries and limiting the number of machines to 'three' the study has been conducted. Hence for 3 - stage flow shop scheduling complication with considerable set up time and arbitrary lags has been formulated and solved for the purpose of using it in the multiple organizations. The theory of shipping time is another important addition in this study. First of all in the field of scheduling theory an algorithm was introduced by Johnson [1] taking a scheduling problem in this problem n tasks are prepared on two machines. Mitten [2] treated a problem with the concept of time lags. Maggu and Das [3] established equivalent job for job – blocks theorem for 2 stage problem. The conception of shipping (transportation) time is very crucial in flow shop scheduling problem when the machines are distantly placed. Singh, T.P [4] applied the conception of shipping time in scheduling. Gupta, D. and Singh, T.P. [5] worked on $n \times 2$ production problem in which processing time are correlated with their probabilities and set up time are examined. Singh, T.P. and Gupta, D.[6] classified scheduling problem in which n tasks are prepared on 3 machines.



GURU NANAK COLLEGE

Postgraduate Multi Faculty Premier College

KILLIANWALI, DISTT. SRI MUKTSAR SAHIB (Pb.) - 151211

NAAC Accredited Grade "B"

Recognized by U.G.C. Under Section 2 (f) & 12 (B) & Permanently Affiliated to Panjab University Chandigarh

4. Total number of full-time teachers

Annual Qualification Return Session 2021-22														
Name of the College: Guru Nanak College Killianwali (Sri Muktsar Sahib)														
Type of College (Aided/Unaided): Aided														
Category (Govt/ Non-Govt): Govt.														
S. No	Name	Designation	PAN	Qualification	Contact No.	Email id	Total Teaching Experience	Teaching UG/PG/Both	Total Teaching Experience in Same Institution	Date of Appointment	Nature of Appointment	Approval letter no (Issued by University)	Date of approval	Subject Approved in
1	Dr. Surinder Singh	Principal	AQIP56003R	M.A, M.Ed, Ph.D (Edu), M.Phil(Pol.Sci.&Edu), NET(Edu) SLET(Pol. Sci)	9914566493	sthakur_1970@yahoo.co.in	24Y. 4M	UG	6Y2M	14/05/2016	Regular	Misc/A-4/12730 dt 11/12/2012 GN College-Misc/A-4 6988 dt 29/7/2016 Dpt(c) No. 11/59-16 Grant-1(3) dt	14/5/2016	Pol. Sci.
2	Dr. Kulwinder Singh Sandhu	Asst. Prof. Phy. Edu	ACRPS6918G	M.P. Ed. NIS, Ph.D	9872499741	drkulwinderkps@gmail.com	30Y	UG	32Y	08/08/1990	-do-	Misc.10436 Dt.27.11.90	08/08/1990	Phy. Edu
3	Mrs. Surinder Kapla	Asst. Prof. English	ABLPK5778P	MA, M.Phil., B. Ed.	9914801130	skapla1129@gmail.com	30Y	UG	28Y	13/08/1994	-do-	Misc.5814 Dt.15.6.04	13/8/1994	Eng.
4	Sh. Amit Behal	Asst. Prof. Pol Sci	AEPPB4586B	M.A (Gold Medist) .NET	9357321784	amitbehallanc@gmail.com	24Y. 5M.	UG	22Y7M	22/11/1999	-do-	Misc. A-2/2052 dt 17/04/2000	22/11/1999	Pol. Sci.
5	Mrs. Usha Rani	Asst. Prof. Comm.	ACTPR5737N	M.Com., B. Ed. NET	9779170463	usharani@rediffmail.com	25Y. 10M.	UG/PG	21Y9M	04/10/2000	-do-	Misc. A-2/4545 Dt.06/01	10/04/2000	Commerce.
6	Dr. Seema Rani	Asst. Prof. Comm	ABWPJ682J	M.Com., M. Ed., P.G.D.C.A, NET, Ph.D	9814928935	seemalindal001@yahoo.co.in	23Y. 10M.	UG/PG	17Y9M	18/10/2004	-do-	Misc. A-2/683 dt.10.02.05	18/10/2004	Commerce.
7	Dr. Bharat Bhushan	Asst. Prof. Hindi	AEUPB681C	M.A., Ph.D.	9814911200	drbhartienc@gmail.com	20Y.	UG	17Y9M	19/10/2004	-do-	Misc/A-2/2097 dt.07.04.05	19/10/2004	Hindi.
8	Mrs. Galaxy Gupta	Asstt. Prof. English	BKRPJ7467D	M.A., B. Ed. UGC NET	9814641949	gupta.galaxy@gmail.com	5Y. 6M	UG	5Y	20/07/2017	-do-	Misc/A-4/4520 dt. 8/12/2017	20/7/2017	Eng.
9	Khushnasib Gurbakhshish	Asstt. Prof. Punjabi	BOEPP5090K	M.A., M.Phil., Ph.D., NET, B. Ed. Giani	8708619568	survathush123@gmail.com	13Y.	UG	4Y7M	01/12/2017	-do-	Misc/A-4/8458 dt 10/08/2018	12/01/2017	Punjabi.
10	Dr. (Mrs.) Payal Singla	Asstt. Prof. Math	EHKPS2082B	M.A., M.Phil., Ph.D.	9988230698	payalsingla86@gmail.com	8Y.	UG	4Y7M	01/12/2017	-do-	Misc/A-4/10148 dt 04/10/2018	12/01/2017	Math.

Principal
Guru Nanak College
Killianwali (Sri Muktsar Sahib)

(Signature)

Principal
Guru Nanak College
Killianwali (Sri Muktsar Sahib)

11	Mrs. Manpreet Kaur	Asstt. Prof. Economics	DHCPK0631P	M.A., M.Phil., NET, B. Ed	9814821310	aulakhpreet11@gmail.com	8Y. 6M.	UG	4Y7M	01/12/2017	-do-	Misc/A-4/8461 dt 10/08/2018	12/01/2017	Eco.
12	Ms. Gurbinder Kaur	Asstt. Prof. Computer Application	DNUPK1433G	MCA NET	9417568530	gurbinderkaur1961@gmail.com	4Y.	UG/PG	4Y7M	19/12/2017	-do-	Misc/A-4/8751dt 27/08/2018	01/09/2018	Computer Appl.
13	Mr. Prince Singla	Asstt. Prof. Commerce	I2NPS5820Q	M.Com. NET	9068360034	princesingla864@gmail.com	3Y. 5M.	UG/PG	3Y6M	15/01/2019	-do-	Misc/A-4/19164dt 12/12/2019	02/12/2020	Commerc e.
14	Mr. Ashish Baghla	Asstt. Prof. Commerce	DGJPB5429J	M.Com UGC JRF	9781494505	ashish.baghla@yahoo.in	5Y. 6M.	UG/PG	5Y	18/07/2017	-do-	Misc/A-4/10048 dt.4/10/2018	18/2/2020	Commerc e.
15	Miss Neha Thakur	Asstt. Prof. Commerce	BDTPT7955A	M.COM.UGC.NET	7837417760	nehathakur3361@gmail.com	1Y. 3M.	UG/PG	2Y5M	14/9/2021	-do-	Misc/A-4/6871 dt.18/11/2021	14/9/2021	Commerc e.
16	Mr. Manik Jindal	Asstt. Prof. Commerce	BEVPJ4060H	M.COM. NET	7015060982	manik.jindal02@gmail.com	1Y. 9M.	UG/PG	2Y11M	18/9/2021	-do-	Misc/A-4/6913 dt.22/11/2021	18/9/2021	Commerc e.
17	Mr. Amandeep Singh	Librarian	JFHPS2590N	M.Lib	9915051709	amannumberdear@gmail.com	3Y. 10M.		4Y	09/01/2018	Contract	—N.A.—	09/01/2018	Lib.

Principal
Guru Nanak College
Killianwali (Sri Muktsar Sahib)

Principal
Guru Nanak College
Killianwali (Sri Muktsar Sahib)