RECENT ADVANCES IN SCHOOL EDUCATION

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Edited By
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Recent Advances in School Education

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Proceeding of
शिक्षा महाकुंभ 2023

Department of Holistic Education

Proceeding of
शिक्षा महाकुंभ 2023

THEME

Recent Advances in School Education

June 9-11, 2023

VENUE

Dr. B. R. Ambedkar National Institute of Technology
Jalandhar

ORGANISED BY

DEPARTMENT OF HOLISTIC EDUCATION

Department of Holistic Education is the brainchild of Dr. Thakur SKR who is a renowned scientist of ISRO, dedicated RSS worker and accomplished author. Level of education shall not be gauged by marks alone. In true sense, it's the complete transformation of a green cake into a valuable asset for society. The students shall be full of energy, skills and values when they come out from the institution. Among all kind of institutions one goes through in his/her life span, school is an important place where one spends majority of educational years, almost 15 years. Therefore, this place shall be built and nurtured in such a way that the students pass from school with a focused and healthy approach in life.

Though Vidya Bharti was formed with this intention only, the last decade driven by technology led us to think about integration of technology with value based education. Further, the problems arose in education in last couple of decades shall be addressed in an effective way. With this intention, Department of Holistic Education was incepted in Vidya Bharti. At present, Department has 25 Cells with dedicated co-ordinators to lead these cells. The in-depth research and development in each area is exhaustively done prior to run pilot projects and implementing them in schools & society.

In last couple of months, E-cycle, Punjab Super 100, Tredul App, Sarvatr App, Swadeshibazaar App, TUDU App, Jobs360° App, Surbhi Diye, Surbhi Piggy Bag, Surbhi Flower Pot, etc., are the key outcomes of the Department which are revolutionizing the education and society. Shiksha Mahakumbh is one of the major outcomes of this Department. One child one hour work per day; Recycling of cloths, paper & plastic; One school one product; International collaborations; etc., are some of the upcoming projects of the Department.

Acharya Devvrat
Governor, Gujarat
Gandhinagar-382021

आचार्य देवव्रत
राज्यपाल, गुजरात
गांधीनगर-३८२०२१

29 APR 2023

संदेश

विद्या भारती की पंजाब प्रांत ईकाई- सर्वहितकारी शिक्षा समिति तथा डॉ. भीमराव अंबेडकर तकनीकी संस्थान, जालंधर के संयुक्त तत्वाधान में आयोजित शिक्षा महाकुंभ RASE -2023 अत्यंत प्रशंसनीय और प्रासंगिक प्रयास है।

समाज के समक्ष उत्पन्न होने वाले नित नए संकट, चुनौतियों एवं प्रश्नों के समाधान ढूंढने एवं बदलते समय में उत्पन्न होने वाले अवसरों का उपयोग करने के लिए, नई पीढ़ी को तैयार करने के लिए चिंतन- मंथन करने की हमारे देश में कुंभ की श्रेष्ठ परंपरा सदियों से रही है। शिक्षा महाकुंभ हमारी इसी पुरातन एवं महान परंपरा का युगानुकुल प्रयास है।

मुझे पूर्ण विश्वास है कि आजादी के अमृतकाल में आयोजित होने जा रहा शिक्षा का यह महाकुंभ वर्तमान चुनौतियों के समाधान ढूंढने में कारगर साबित होगा। राष्ट्रीय शिक्षा नीति के क्रियान्वन के साथ- साथ हमारी शिक्षा एवं शिक्षकों को भविष्य के लिए तैयार करने में सहायक होगा। शिक्षा महाकुंभ में प्रतिभाशाली छात्रों को भी मंच मिलेगा, यह प्रसन्नता का विषय है।

इस महत्वपूर्ण आयोजन के लिए हार्दिक शुभकामनाएं।

(आचार्य देवव्रत)

Bhupendra Patel

Chief Minister, Gujarat State

Dt. 23/05/2023

Message

India is considered as a land of opportunity for those who have talent, potentials and skill for innovation. The youth brigade of contemporary time needs to focus on Research and Development. This will provide them with ample opportunities and the sky is open for them to spread their wings of aspiration to soar into the limitless sky.

I am much pleased to learn that the **Sarvhitkari Educational Society** in association with **Dr. B. R. Ambedkar National Institute of Technology, Jalandhar** is jointly organizing **"शिक्षा महाकुंभ"- National Conference on Educational Society** during **9th-11th June, 2023** at **Jalandhar**. I appreciate the endeavour by this organization with an aim to bring as many as 30 crore students of schools and colleges/ universities of India on a single platform annually by conducting **"शिक्षा महाकुंभ"** in association with the *Institutions of National Importance*. I, hereby, convey my best wishes to the organizing team and to all the students for their bright future ahead.

(Bhupendra Patel)

To,
Dr. Thakur SKR, *Conference Director,*
National Conference on Recent Advances in School Education,
Department of Industrial & Production Engineering,
Dr. B. R. Ambedkar NIT Jalandhar, Jalandhar (Punjab)-144027.
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Santosh Kumar, I.A.S.

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Date: 30th May 2023

Dear Dr. Thakur,

Please refer to your letter dated 15th April 2023 addressed to Hon'ble Governor, invited him to be the Chief Guest for "शिक्षामहाकुंभ" National Conference on Recent Advances in School Education (RACE 2023) to be held during 9 to 11th June 2023.

In this connection, I am directed to inform you that Hon'ble Governor has extended warm wishes, but regretted his inability to accede to your request due to some other prior engagments.

Yours,

(Santosh Kumar)

Dr. Thakur SKR,
Conference Director,
office at – Department of Industrial & Production Engineering,
Dr. B. R. Ambedkar NIT Jalanadhar,
Jalandhar – 144 027.
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प्रो. (डॉ.) अजय सिंह
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सत्यमेव जयते

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No. DIR/AIIMS_BPL/2023/REGRET_LETTER/2712 **Date: 08.05.2023**

Dear Sir,

Greetings from All India Institute of Medical Sciences, Bhopal !

I am elated to know about '**Shikshamahakunj**' i.e. **National Conference on Recent Advances in School Education (RASE 2023),** being organized by Sarvhitkari Educational Society in association with Dr. B.R. Ambedkar National Institute of Technology, Jalandhar between 9th to 11th June, 2023. It is a beautiful initiative for the successful implementation of the National Education Policy 2020.

I would like to extend my gratitude for Inviting me to be the key-note Speaker for the said conference, however due to some pre-scheduled engagements I will not be able to attend the **Shikshamahakunj**.

I Convey my warm wishes for the Conference to be a successful event !

Thanking You with warm regards.

Prof. (Dr.) Ajai Singh
Executive Director & CEO

To,

Dr. Thakur SKR
Conference Director
Shikshamahakunj (RASE 2023)

Message

Shiksha Mahakumbh – 2023 is definitely a welcome initiative by Vidya Bharati Punjab at Jalandhar to bring together academia, intelligentsia, educationists, policy makers and other stake holders of education eco-system. It is a big success as the very purpose of bringing around 5 thousand members of different states and discussing the recent advances in education with NEP & NCF in the background. Definitely it is an impetus for the course and process of implementation of national education policy in right perspective.

Being a participant, I interacted with many academicians and luminaries, whose unconditional involvement in 3-day programme is exceptional. Hope the resolve to take Mahakumbh forward by making it annual feature become true, for educating the society and further involvement in implementation.

I congratulate all the visionaries & missionaries for making this grand event a memorable one. Hope your remembrance would carry the gist of all proceedings, deliberations, interaction, guidance and panel discussion. My appreciation to all the workers who did put their effort in this Maha Vidya Yajna and I extend my greetings to the readers of the proceeding of first Shiksha Mahakumbh.

D. Ramakrishna Rao

President, Vidya Bharati

Forwarding

It is with immense pleasure and pride that I extend my warmest greetings to all the participants of the **Shiksha Mahakumbh** and readers of its proceeding. This remarkable initiative, spanning in 6 comprehensive chapters, encapsulates the collective efforts, aspirations, and achievements of educators, institutions, and visionaries who are committed to the transformation of education in Bharat.

Education stands at the core of our nation's progress, and initiatives like the **Shiksha Mahakumbh** serve as guiding beacons, illuminating the path towards excellence. The diverse topics covered in these chapters, from media campaigns to the establishment of Centres for School Education Studies in Institutes of National Importance, underscore the multifaceted nature of education's challenges and opportunities.

This document not only reflects the dedication and innovation of the educational community but also showcases the spirit of collaboration and the unwavering commitment to the betterment of society through education. As we delve into the pages of this document, we are presented with a profound understanding of the transformative potential of education.

I commend the organizers, contributors, and everyone involved in bringing this vision to life. May the insights and ideas shared within these chapters inspire and guide readers towards a brighter and more equitable future for education in Bharat.

Vijay Kumar Nadda
Organisational Secretary
Vidya Bharti (North Zone)

PREFACE

The Shiksha Mahakumbh initiative is one of its kind in the world which is inspired by the spirit of Kumbh culture prevailing in ancient Bharat. The inaugural edition of Shiksha Mahakumbh ended in a grand way. The nectar of this very first edition is tried to sum-up in this tiny piece known as proceeding. Education is the beacon that lights our path towards progress and prosperity, and as we delve into the pages ahead, we will witness how the Shiksha Mahakumbh is committed to making this light shine brighter than ever. The entire proceeding is divided into 6 Chapters.

The inaugural chapter of this journey embarks on a comprehensive exploration of the idea behind this grand event, the organisations responsible in converting the very idea into reality, the organisations came forward to volunteer in the cause of societal transformation and the ministries of Government of Bharat which backed the initiative.

As we delve into Chapter 2, we delve into the heart of the Shiksha Mahakumbh initiative – the campaign that heralds a new era in educational excellence. In this chapter, we uncover the meticulous planning, dedication, and tireless efforts that have gone into spreading the message of holistic education far and wide. The campaign is not just a call to action; it is an invitation to join hands in the pursuit of a brighter educational future.

Chapter 3 is a testament to the resilience and determination of the educational community. Here, we witness the stories of turnaround, participants from schools, institutions, industry and society. The Shiksha Mahakumbh is not just about lofty ideals; it is about actionable change. Join us in this chapter as we celebrate the educators and institutions that are turning the tide and making a difference.

Chapter 4 takes us into the heart of research, innovation and recent advances in education. In the papers and projects presented at the Shiksha Mahakumbh, we discover a wealth of knowledge, ideas, and solutions that address the pressing challenges of our education system. These contributions are the building blocks of a brighter educational landscape, and in this chapter, we explore their potential to shape the future.

Chapter 5 brings the spotlight to media and its role in amplifying the message of the Shiksha Mahakumbh. In this chapter, we explore the diverse mediums through which the campaign has reached far and wide. From posters to radio to electronic to print media, the Shiksha Mahakumbh presence is felt across all channels. Join us as we journey through the media campaign that has ignited the passion for education.

In Chapter 6, we arrive at the culmination of our journey through the Shiksha Mahakumbh initiatives. Here, we reflect on the outcomes, achievements, and impact of this collective effort. The Shiksha Mahakumbh is not just an event; it is a catalyst for change. In this chapter, we measure the results and set our sights on a future where education continues to be a force for good.

Each of these chapters is a chapter in the story of educational transformation. Together, they form a narrative of dedication, innovation, and unwavering commitment to the betterment of education in our society. Join us on this enlightening journey through the pages ahead.

EDITOR'S MESSAGE

Dear Readers,

It is with great pleasure and enthusiasm that I welcome you to the proceeding of ***Shiksha Mahakumbh,*** an endeavour that embodies the spirit of educational excellence, innovation, and collaboration. This comprehensive document, spanning six chapters, serves as a testament to the commitment and vision of educators and institutions who are shaping the future of education in Bharat.

Education is not merely a means to an end; it is a journey of discovery, growth, and transformation. The chapters presented here reflect the diverse facets of this journey, from media campaigns that disseminate educational initiatives to the establishment of a dedicated Journal in the field of education. Each chapter is a unique exploration of the challenges and opportunities that education presents.

As the Director of the Department of Holistic Education wherein the very idea of ***Shiksha Mahakumbh*** was originated, I am deeply inspired by the dedication and passion of those involved in the ***Shiksha Mahakumbh*** and post ***Shiksha Mahakumbh*** initiatives. Idea of making couples work together for societal betterment to the establishment of Institute of Teacher Training churned out of this massive movement.

I extend my sincere appreciation to all the contributors, organizers, and participants who have made this initiative a resounding success. I encourage all readers to delve into these chapters, for within them lie the keys to a brighter and more equitable future for education in Bharat.

May this document inspire, inform, and empower all those who are committed to the cause of education.

Dr. Thakur SKR
Director
Shiksha Mahakumbh &
Department of Holistic Education
www.drthakurskr.com

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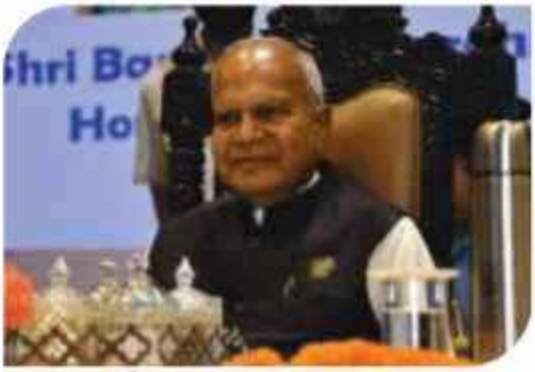
CONTENT

Chapter-1

INTRODUCTION



Chapter-1

1.1. Shiksha Mahakumbh

Shiksha Mahakumbh is the brainchild of Dr. Thakur SKR, a prominent ISRO scientist and staunch RSS worker, which took shape under the able guidance of Mr. Vijay Kumar Nadda, a visionary and forward-looking RSS Pracharak and Organising Secretary of Vidya Bharti (North Zone).

The inaugural edition of Shiksha Mahakumbh i.e., National Conference on Recent Advances in School Education (RASE 2023) was organised by Sarvhitkari Educational Society, a prominent unit of Vidya Bharti – Akhil Bhartiya Shiksha Sansthan in the state of Punjab, in collaboration with Dr. B. R. Ambedkar National Institute of Technology Jalandhar. The conference was held from June 9-11, 2023 at the esteemed premises of Dr. B. R. Ambedkar National Institute of Technology Jalandhar.

1.2. Objectives

The foremost objective of Shiksha Mahakumbh is to cultivate an environment conducive to the effective implementation of the National Education Policy 2020 (NEP). Moreover, this conference franchise aspires to congregate and facilitate the exchange of insights and research findings among distinguished academic scientists, researchers, research scholars, and industry experts, encompassing all facets of school and higher education. This endeavour, spearheaded by Department of Holistic Education of Vidya Bharti, is unparalleled on a global scale, aiming to annually unite the 26.5 Crore school students and 4.25 Crore college/university students from across Bharat on a single platform to decide the direction of Bhartiya Education in similar fashion as was the practice in ancient Bharat. It achieves this laudable goal through its collaboration with Institutions of National Importance.

Further, this conference franchise is to establish a connection between the traditional Gurukul System and the Modern Education System in Bharat. By doing so, the aim is to leverage the strengths of both the systems to create a comprehensive educational framework that prepares individuals for the evolving job market. The focus is on bridging the gap between theoretical knowledge and practical skills, thereby ensuring that no individual in Bharat remains unemployed. The conference intends to explore innovative teaching methodologies, incorporate vocational training programs, and promote entrepreneurship to empower individuals and equip them with the necessary tools for success in the contemporary workforce. By embracing the rich heritage of the Gurukul System and aligning it with the demands of the modern era, this conference aspires to contribute to a future where every citizen of Bharat can find meaningful employment opportunities.

The further objective of the conference franchise aims to provide the premier interdisciplinary forum for researchers, practitioners, educators and industry to present and discuss the most recent innovations, trends, concerns, practical challenges encountered and the solutions adopted in the field of Global School Education for the sustainable growth of the society.

The proposed conference franchise aims to provide opportunities for students as young as sixth grade to engage in practical work experiences. By integrating work-based learning into the school curriculum, students would have the chance to gain hands-on experience and develop essential skills early on. This initiative is driven by the belief that empowering students to work while studying can offer them financial independence and the ability to support themselves, ensuring that financial constraints do not hinder their ability to pursue their chosen careers. By fostering a work-oriented approach at the school level, this system aims to equip students with valuable real-world skills, instil

a strong work ethic, and broaden their career horizons. Through this holistic approach to education, students would be better prepared to navigate the complexities of the job market and pursue their aspirations, irrespective of any financial obstacles they may face.

1.3. Theme

Recent Advances in School Education

1.4. Sub Themes

DAY-1: Integration of Bhartiya Traditional and Modern Education Systems for Sustainability

DAY-2: Skill, Startup and Entrepreneurship in Education

DAY-3: Integration of Higher Educational Institutions with Schools

1.5. Organizing Institutes

Shiksha Mahakumbh was an initiative of Sarvhitkari Educational Society in collaboration with NIT Jalandhar. A brief description of these pioneer institutions of Punjab is provided in subsequent sections.

1.5.1. Sarvhitkari Educational Society

Sarvhitkari Educational Society (SES) is a state unit of Vidya Bharti – Akhil Bhartiya Shiksha Sansthan which is the largest Non-Government Organization (NGO) in the world. SES provides the model of education. It organizes workshops, seminars, conferences and capacity building programmes to promote the standard of education as per the need of the times. In Punjab, it is running 125 formal schools and more than 341 informal educational institutions (Sanskar Kenders). Sarvhitkari Educational Society traces its roots to the legacy that has been reforming and redefining Bharat's educational scenario for more than 70 years with its inception in the year 1970. Sarvhitkari Educational Society considers education a main source for social transformation, so the focus remains in imparting quality and value-based education to the students based on Bhartiya Culture and History. Recently, SES has established a Department of Holistic Education which makes it the first organization in the country having its own Department Holistic Education which is the brainchild of Dr. Thakur SKR who is a renowned scientist of ISRO, dedicated RSS worker and accomplished author. In this particular Department, 25 distinct cells are operational. These cells work on the research and development of new areas related to holistic development of students. One of its cells i.e. Event Management Cell is solely responsible for the origin and propagation of the idea of Shiksha Mahakumbh.

1.5.2. NIT Jalandhar

Dr. B. R. Ambedkar National Institute of Technology Jalandhar (erstwhile REC Jalandhar), was established in the year 1987 and attained the status of National Institute of Technology on October 17, 2002. As National Institute of Technology, the institute has a responsibility of providing high quality technical education in Engineering and Technology to produce competent technical manpower for the country. The institute offers BTech programmes in twelve disciplines of Engineering and Technology along with the research programmes leading to MSc, MTech and PhD degrees. The institute has signed Memorandum of Understanding (MoU) with many prestigious institutes such as Department of Holistic Education, Sarvhitkari Educational Society and Ecole Central de Lille, France, University of Johannesburg, South Africa along with other Universities abroad including UK, USA and Canada for the mutual academic exchange program and further strengthening of the academics and research.

1.6. Supporting Institutes

1.6.1. PTU Jalandhar

I.K. Gujral Punjab Technical University (IKGPTU) was established by an Act of State Legislature on January 16, 1997, to promote technical, management and pharmaceutical education in the state at degree level and above. It was established as Punjab Technical University and renamed as I.K. Gujral Punjab Technical University by State Government in the honour to Late Mr. Inder Kumar Gujral, Former Prime Minister of Bharat, in 2015. The University has the mandate to set up centres of excellence in emerging technologies and for promoting training, research and development in these areas. The university has undertaken the task of training students to help in the development of skilled manpower in this sector in the country in general and in the state in particular. With this goal in mind, the university is promoting a number of courses in different streams in regular as well as distance education programmes. At present, university has 121 AICTE and 65 UGC institutes affiliated with it.

1.6.2. DAV University Jalandhar

DAV University Jalandhar is promoted by DAV College Managing Committee which is Bharat's one of the largest Non-Government Educational Organizations which is managing more than 800 institutions in the country. It has been providing students with an excellent education in modern academic environment. The university traces its roots to the legacy that has been reforming and redefining Bharat's educational scenario for 130 years. The university has been established by a Legislative Act of the Punjab Government and empowered to confer degrees under Section 22 of the UGC Act 1956. It is a multi-disciplinary institution, home to faculties of teaching excellence in subjects from Engineering to Languages to Natural Sciences including Physical and Life Sciences. The setting up of the university is the culmination of the movement that started with the founding of the first DAV School in Lahore on June 1, 1886 to propagate the ideas of the religious and social reformer Swami Dayanand Saraswati. DAV university is spread across an area of about 72 acres and it provides an ideal ambience for pursuing professional courses and ensuring all-round development of students. The campus is well equipped with modern infrastructure including state-of-the-art buildings, round-the-clock power backup, canteens and huge parking area in the basement of each building. Playgrounds, sports and fitness facilities add to the quality of life on the campus. DAV university is the best university in Punjab in terms of quality education and student support. It is better than any college or institute in Jalandhar. Undoubtedly, it is the top university in Jalandhar.

1.7. Supporting Organizations

1.7.1. Bharatiya Shikshan Mandal

Bharatiya Shikshan Mandal was founded on the auspicious day of Rama Navami in the year 1969. It is working with the objective of national resurgence in the field of education. It aims at evolving National Education Policy, Curriculum, System & Methodology based on integral Bharatiya vision, rooted in its eternal ethos and centred at overall development of the country. A number of educational, intellectual and experimental activities are being conducted in all parts of the country both at school and higher education levels to actualize this noble mission of re-establishing Bharatiya Education System.

1.7.2. Vijnana Bharati

Bharat faces critical challenges as a nation in its march towards a welfare state. Considering the nature of the challenges which are so unique, only rapid strides in the sector of science and technology, in

resonance with Bharat's heritage can meet those challenges. In this context Vijnana Bharati, a science movement with swadeshi spirit has a greater role to play. Swadeshi Science Movement was started in Indian Institute of Science Bengaluru by a few eminent scientists under the guidance of Prof. K. I. Vasu. This movement gradually gained momentum and emerged as an organization with national presence. In 1991 at the Nagpur meet, it was decided, to launch the Swadeshi Science Movement at all Bharat Level and named it as Vijnana Bharati. Vijnana Bharati has units in 22 states across the country and contacts in 4 states. It is working in 11 different areas through autonomous institutions, independent organizations & also as project entities.

1.7.3. Swadeshi Jagaran Manch

Swadeshi Jagaran Manch (SJM) was established on November 22, 1991, in Nagpur. It was formed by representatives of five national-level organizations, including Bhartiya Majdoor Sangh (BMS), Akhil Bhartiya Vidyarthi Parishad (ABVP), Bhartiya Kisan Sangh (BKS), Akhil Bhartiya Grahak Panchayat (ABGP), and Sahkar Bharati, in the presence of Mr. Dattopant Thengdi, the founder of BMS and BKS. The movement aimed to oppose economic imperialism and fight for a self-reliant Bharat. A Central Committee was formed, with Dr. M.G. Bokare as the convener, to oversee the movement's execution. On January 12, 1992, coinciding with Swami Vivekananda's birth anniversary, the first massive campaign against the central government's economic policies commenced. People from diverse backgrounds and ideologies united under the SJM platform. The movement published literature on Swadeshi, intellectual property rights, GATT, and the economic imperialism of multinationals to raise awareness and popularize its cause. SJM promotes Swadeshi products, supports professional development, advocates for a culturally and ethically grounded Bharatiya corporate structure, and publishes a monthly magazine called Swadeshi Patrika in Hindi and English. The Swadeshi Jagran Manch has emerged as a powerful force with a vision and action plan for a truly self-reliant Bharat and an equitable global order that commands attention and cannot be ignored.

1.7.4. Akhil Bhartiya Rashtriya Shaikshik Mahasangh

Akhil Bhartiya Rashtriya Shaikshik Mahasangh (ABRSM) is an organization imbued with Bharatiya thoughts aiming to propagate the ideology of Cultural Nationalism in the field of education and society. Along with safeguarding teachers' interests including their salary, allowances, service conditions and other facilities, the Mahasangh keeps in mind its national objectives, plans and executes the programmes of social concern and educational upgradation. Accordingly, Akhil Bhartiya Rashtriya Shaikshik Mahasangh comprising the range from Pre-primary to University level teachers throbbing with the sense of Nationality and Bharatiya philosophy was founded in 1988. Now Mahasangh is a country wide organization. Presently, 35 State level organizations and more than 50 University level organizations spread over 24 States are affiliated to it.

1.7.5. Shiksha Sanskriti Utthan Nyas

The Shiksha Sanskriti Utthan Nyas was formed on May 24, 2007, giving concrete institutional and creative form to 'Save Education Movement'. The basic aim of education is the formation of human character and overall development of personality. With this aim, Shiksha Sanskriti Utthan Nyas started working on character building and personality development as its basic subjects. After that Bharat's education should be according to Bharat's culture, nature and progress - with this objective, SSUN's work expanded gradually. Firstly, it's started working on 'character building' as well as value based education, education in mother tongue, vedic mathematics, environmental education and autonomy of education. These are core subjects of Nyas. Started working on environmental education and autonomy of education.

1.7.6. Think India

Think India – A pan Bharat initiative to bring together the best talents of the country and to infuse in them a 'Nation First' attitude, aimed at developing the nationalistic spirit and inspiring young Bharat to be of service to the society. It is a platform for the "Leaders of Tomorrow" where they deliberate on issues of national importance, raise their concerns and offer innovative solutions to the problems faced by Bharat. Think India felt the need to bind the students with a Bharatiya nationalistic string to harness this part of national treasure in furthering our aim of national reconstruction. Students from IISc, IIM Bengaluru, NIMHANS and NLSU joined together to create a joint forum for the students from premier institutes of Bharat in 2006. A formal forum took place at the Art of Living Ashram, Bangalore in 2007.

1.7.7. Saksham

Samadrishti Kshamata Vikas Evam Anusandhan Mandal (SAKSHAM) is a charitable national organization registered at Nagpur under registration number MAH/654/2008(N). The organization has its head office in Nagpur, Maharashtra. SAKSHAM was established with an aim to bring all the persons with various disabilities in the main stream of our nation. SAKSHAM believes that the disabled people are not burden on the society but assets of the nation. Though presently dedicated to the service of visually impaired, SAKSHAM has its commitment towards all the persons with various disabilities and also to environment, health and other social activities to strengthen the society. Presently, SAKSHAM is running projects for integrated development of the disabled.

1.7.8. Hariawal Punjab

Hariawal Punjab is an environmental conservation organization founded by passionate environment lovers to popularize sustainable living in Punjab with three main goals – tree plantation, eco-bricks campaign and water conservation.

1.8. Supporting Ministries

1.8.1. Ministry of Education

Education plays a significant and remedial role in balancing the socio-economic fabric of the Country. Since citizens of Bharat are its most valuable resource, one billion-strong nation needs the nurture and care in the form of basic education to achieve a better quality of life. This warrants an all-round development of our citizens, which can be achieved by building strong foundations in education. In pursuance of this mission, the Ministry of Education (MoE) was created on September 26, 1985, through the 174th amendment to the Government of Bharat (Allocation of Business) Rules, 1961. Currently, the MoE works through two departments:

- Department of School Education & Literacy
- Department of Higher Education

While the Department of School Education & Literacy is responsible for development of school education and literacy in the country, the Department of Higher Education takes care of what is one of the largest Higher Education Systems of the world, just after the United States and China. The Department of School Education & Literacy has its eyes set on the "universalization of education" and making better citizens out of our young brigade. For this, various new schemes and initiatives are taken up regularly and recently, those schemes and initiatives have also started paying dividends in the form of growing enrolment in schools. The Department of Higher Education, on the other hand, is engaged in bringing world class opportunities of higher education and research to the country so that Bharatiya students are not found lacking when facing an international platform. For this, the

Government has launched joint ventures and signed MoUs to help the Bharatiya students' benefit from the world opinion.

1.8.2. Ministry of Skill Development and Entrepreneurship

The ministry is responsible for co-ordination of all skill development efforts across the country, removal of disconnect between demand and supply of skilled manpower, building the vocational and technical training framework, skill up-gradation, building of new skills and innovative thinking not only for existing jobs but also jobs that are to be created. The ministry aims to skill on a large scale with speed and high standards in order to achieve its vision of a 'Skilled Bharat'. It is aided in these initiatives by its functional arms – Directorate General of Training (DGT), National Council for Vocational Education and Training (NCVET), National Skill Development Corporation (NSDC), National Skill Development Fund (NSDF) and 37 Sector Skill Councils (SSCs) as well as 33 National Skill Training Institutes (NSTIs/NSTI (w)), about 15000 Industrial Training Institutes (ITIs) under DGT and 187 training partners registered with NSDC. The Ministry also intends to work with the existing network of Skill Development Centers, universities and other alliances in the field. Further, collaborations with relevant Central Ministries, State Governments, International Organizations, Industries and NGOs have been initiated for multi-level engagement and more impactful implementation of Skill Development efforts.

1.9. Conclusion

In the vibrant landscape of Shiksha Mahakumbh, Chapter 1 serves as the foundational cornerstone, providing essential insights into the inception and objectives of this remarkable initiative. The objectives of Shiksha Mahakumbh are far-reaching and ambitious. Foremost, it seeks to create an environment conducive to the effective implementation of the National Education Policy 2020 (NEP).

Shiksha Mahakumbh is an initiative driven by the collaborative efforts of several organizations, institutions, ministries, and supporting bodies.

Ministries: Shiksha Mahakumbh enjoys the support of the Ministry of Education and the Ministry of Skill Development and Entrepreneurship, recognizing the importance of education and skill development in shaping Bharat's future.

Organizations and Institutions: The event involves an extensive network of supporting institutes, including NIT Jalandhar, PTU Jalandhar and DAV University Jalandhar.

Supporting Organizations: It receives support from influential organizations like Bharatiya Shikshan Mandal, Vijnana Bharati, Swadeshi Jagaran Manch, and Akhil Bhartiya Rashtriya Shaikshik Mahasangh, Hariawal Punjab, among others, all committed to the advancement of education in Bharat.

In conclusion, Shiksha Mahakumbh is a groundbreaking initiative that seeks to revolutionize education in Bharat. It is driven by a vision to align traditional wisdom with modern educational needs, ultimately preparing students for a future where no one remains unemployed.

The details about The Campaign ,Turn Around, Papers & Projects, Media Coverage and the potential Outcome are described in subsequent Chapters.

Chapter-2

THE CAMPAIGN

Chapter-2

2. Introduction

The campaign was initially not planned and thought. However, as the message of this Shiksha Mahakumbh reached the people, their response was overwhelming on listening to this very noble and innovative idea. Therefore, it was decided at a later stage to lead the campaign from front in terms of press conferences and invitations. The spontaneous and overwhelming response from the people propelled the decision to lead a proactive campaign to raise awareness about Shiksha Mahakumbh.

In totality, 31 press conferences were held throughout various states of Bharat. Specifically, these press conferences were held in the states of Punjab (22 Nos), Haryana (06 Nos), Madhya Pradesh (02 Nos) and Himachal Pradesh (01 No). This comprehensive invitation campaign aimed to reach a diverse range of individuals, including prominent educationists, societal contributors, and key figures in the education sector, both through personal invitations and letters and emails for maximum outreach.

The invitation campaign was led through personal invitations to the prominent educationists and the members of the society who contributed significantly to make a difference in the field of education. The campaign was further extended to send letters & emails to reach those who can't be contacted through personal invitation mode due to shortage of time.

More than 2K personal invitations in more than 10 states and UTs were given through Zonal and District Co-ordinators. More than 5K invitations through letters and more than 10K invitations through emails were sent in entire Bharat covering Bureaucrats to Influencers to Change Makers to Law Makers to Academicians to Education Ministers to Chief Ministers to Cabinet Ministers to Prime Minister to President of Bharat. This mass movement of press conferences and invitations played a pivotal role in ensuring that people across the nation were well-informed about Shiksha Mahakumbh, reinforcing its significance on a grand scale.

The purpose of this mass movement of press conferences and invitations was to make aware one and all of this country about Shiksha Mahakumbh. The coverage of the whole campaign in pictorial form is next to impossible in a Chapter. Therefore, the details of this campaign in terms of geographies covered and number of invitations sent along with depiction of sample pictorial form are provided in subsequent sections.

2.1. Press Conferences

31 press conferences were conducted across different states of Bharat. The state wise details of these press conferences is provided in subsequent sections.

2.1.1. Punjab

Being the host state, the massive campaign was carried out in Punjab so that almost all the strata of the Punjab gets aware about this noble cause. The purpose was to facilitate them to take advantage of this cause to make a difference in their state. Accordingly, 22 press conferences covering almost all the districts of the Punjab were conducted.

Date	:	March 13, 2023
District	:	Jalandhar
Venue	:	NIT Jalandhar
Conference Addressed by	:	Mr. Vijay Kumar Nadda and Dr. Thakur SKR

Date	:	March 29, 2023
District	:	Sangrur
Venue	:	Hotel Urban Crave, Sunam
Conference Addressed by	:	Dr. Thakur SKR

Date	:	March 30, 2023
District	:	Bathinda
Venue	:	Hotel Roadways, Bathinda
Conference Addressed by	:	Dr. Thakur SKR

Date : **April 03, 2023**
District : **Amritsar**
Venue : **Madhav Vidya Niketan**
Conference Addressed by:
Dr. Thakur SKR and Mr. Sanyog Dutt

Date : **April 17, 2023**
District : **Sangrur**
Venue : **GPF Complex, Lehragaga**
Conference Addressed by:
Dr. Amit Kansal

Date : **April 18, 2023**
District : **Mansa**
Venue : **Sarvhitkari Vidya Mandir**
Conference Addressed by:
Dr. Amit Kansal and
Adv. Niharika Kamal

Date : **April 21, 2023**
District : **Hoshiarpur**
Venue : **Sarvhitkari Vidya Mandir**
Conference Addressed by:
Dr. Thakur SKR, Dr. Jitendra Garg and
Mr. Mandeep Tiwari

Date : **April 22, 2023**

District : **Jalandhar**

Venue : **Vidya Dham, Jalandhar**

Conference Addressed by:

Dr. Thakur SKR, Dr. Amit Kansal and Adv. Niharika Kamal

Date : **April 22, 2023**

District : **Patiala**

Venue : **Elite Club, Patiala**

Conference Addressed by:

Adv. Vishal Garg and Prof. Rajneesh Talwar

Date : **April 25, 2023**

District : **Pathankot**

Venue : **SRPA Adarsh Bhartiya College**

Conference Addressed by:

Dr. Neetesh Singh and Dr. Shamsher Singh

Date : **May 2, 2023**

District : **Fatehgarh Sahib**

Venue : **Sarvhitkari Vidya Mandir Khamanon**

Conference Addressed by:

Adv. Vishal Garg and Mrs. Gurpreet Kaur

Date : **May 2, 2023**

District : **Fatehgarh Sahib**

Venue : **Sarvhitkari Vidya Mandir Sirhind**

Conference Addressed by:

Adv. Vishal Garg and Mr. Mahesh Sharma

Date : **May 5, 2023**

District : **Moga**

Venue : **Blooming Buds School**

Conference Addressed by:

Dr. Thakur SKR, Mr. Sanjiv Saini, Mr. Ram Gopal and Mr. Vijay Nadda

Date : **May 5, 2023**

District : **Mansa**

Venue : **Krishana Collage Ralli, Budhlada**

Conference Addressed by:

Dr. Amit Kansal

Date : **May 5, 2023**

District : **Jalandhar**

Venue : **DAV University**

Conference Addressed by:

Dr. Thakur SKR and Prof. Manoj Kumar

Date : **May 6, 2023**
District : **Sangrur**
Venue : **Sarvhitkari Vidya Mandir Dhuri**
Conference Addressed by:
Dr. Amit Kansal

Date : **May 6, 2023**
District : **Malerkotla**
Venue : **Sarvhitkari Vidya Mandir**
Conference Addressed by:
Dr. Amit Kansal

Date : **May 10, 2023**
District : **Rupnagar**
Venue : **Arya Sr. Sec. School, Morinda**
Conference Addressed by:
Adv. Vishal Garg and Mr. Jitender Sharma

Date : **May 12, 2023**
District : **Sangrur**
Venue : **Sarvhitkari Vidya Mandir Cheema Mandi**
Conference Addressed by:
Dr. Amit Kansal

Date : **May 13, 2023**
District : **Abohar**
Venue : **Sarvhitkari Vidya Mandir**
Conference Addressed by:
Adv. Vishal Garg

Date : **May 13, 2023**
District : **Firozpur**
Venue : **Hansraj Public School**
Conference Addressed by:
Adv. Vishal Garg

Date : **May 14, 2023**
District : **Sri Muktsar Sahib**
Venue : **Sarvhitkari Vidya Mandir**
Conference Addressed by:
Adv. Vishal Garg

2.1.2. Haryana

Haryana was the 2nd state chosen by the organizing committee to reach the masses to make them aware about this noble cause of education. Accordingly, 6 press conferences were held in various districts of the state. The details about them are provided in subsequent sections.

Date : **April 8, 2023**
District : **Karnal**
Venue : **IGNOU Regional Center**
Conference Addressed by:
Dr. Amit Kansal

Date : **May 13, 2023**
District : **Hissar**
Venue : **RSS Office**
Conference Addressed by:
Dr. Thakur SKR

Date : **May 13, 2023**
District : **Rohtak**
Venue : **Shiksha Bharti Vidyalaya**
Conference Addressed by:
Dr. Thakur SKR

Date : **May 13, 2023**
District : **Jind**
Venue : **Gopal Vidya Mandir**
Conference Addressed by:
Dr. Thakur SKR

Date : **May 14, 2023**
District : **Kurukshetra**
Venue : **SMB Gita Sr. Sec. School**
Conference Addressed by:
Dr. Thakur SKR

Date : **May 14, 2023**
District : **Karnal**
Venue : **Vivekananda Sr. Sec. School**
Conference Addressed by:
Dr. Thakur SKR

2.1.3. Madhya Pradesh

Madhya Pradesh was the state chosen in Central Zone to reach the masses with the message of Shiksha Mahakumbh. Accordingly, National Media Co-ordinator along with Central Zone Team conducted 2 press conferences in Bhopal and Indore. The purpose of the conferences was to spread the objective of Shiksha Mahakumbh throughout the state in order to encourage as many people as possible to attend, take advantage of the opportunities evolving in the Shiksha Mahakumbh and shape the future of Madhya Pradesh's education. The details of these press conferences are provided in subsequent sections.

Date : **May 9, 2023**
District : **Bhopal**
Venue : **Vidya Bharti Bhawan**
Conference Addressed by:
Dr. Amit Kansal and Mr. Sanyog Dutt

Date : **May 10, 2023**
District : **Indore**
Venue : **Press Club**
Conference Addressed by:
Dr. Amit Kansal and Mr. Sanyog Dutt

2.1.4. Himachal Pradesh

Himachal Pradesh was the 3rd state chosen in North Zone to outreach the masses with the objective of Shiksha Mahakumbh. Accordingly, 1 press conference was held in district headquarter of Kullu.

Date	:	**May 10, 2023**
District	:	**Kullu**
Venue	:	**Press Club**

Conference Addressed by:

Dr. Thakur SKR and Mrs. Vijeta Thakur

2.2. Invitations

The invitation campaign planned and executed in inaugural edition of Shiksha Mahakumbh was one of its kind across the globe. The methodology of inviting the dignitaries through Placards, releasing the brochure with each dignitary and presenting the kit in eco-friendly Shiksha Mahakumbh bags was not only liked by everyone but also the novelty of the campaign was appreciated. A total number of personal invitations given across different districts of 10 states and 4 UTs are described in subsequent sections.

2.2.1. Personal Invitations

2.2.1.1. Punjab

Initially, the event was planned for Punjab. Only selected participants across the country were planned to call. Therefore, massive drive of personal invitations was carried out in the state. The complete exercise was carried out through the district co-ordinators and more than 1.5K personal invitations were given to 1K plus institutions and social change makers in the state. The largest personal invitation derive ever carried out in the state for the purpose of education conference was witnessed by one and all. Pictorial samples of the campaign are depicted here.

BATHINDA

Prof. Manjit Bansal, Mr. Pankaj Jindal, Mr. Vinay Kumar and Adv. Gurpreet Singh inviting Prof. Dr. Raghvendra P. Tiwari, Vice Chancellor, Central University of Punjab (Bhatinda)

Prof. Manjit Bansal and Adv. Gurpreet Singh inviting Prof. Buta Singh Sidhu, Vice Chancellor, MRSPTU, Bhatinda

GURDASPUR

Dr. Sonia Sharma, Dr. Sameer Mahajan, Dr. Ashok Choudhary and Prof .Bikramjit Singh inviting Dr. Sameer Sharma, Principal SPN College, Mukerian

Dr. Sonia Sharma, Dr. Sameer Mahajan and Dr. Ashok Choudhary inviting Dr. Karamjeet Kaur, Principal Dashmesh Girls College, Chak Allahbaksh, Mukerian

JALANDHAR

Mr. Mandeep Tiwari, Mr. Suveet Passi and Mr. Varun Mehta inviting Mr. Raju, Owner, DIPS Jalandhar

Mr. Mandeep Tiwari and Mr. Kanav Nanda inviting Mr. Irwin Khanna, Editor-in-Chief, The Uttam Hindu

LUDHIANA

Dr. Sanjeev Chandel inviting Mr. Birender Jeet Singh, Principal, Ramgarhia Sr. Sec. School, Ludhiana

Dr. Sanjeev Chandel inviting HR official of Amity University, Punjab

SRI MUKTSAR SAHIB

Adv. Rajat Verma, Mr. Rakesh Verma and Mr. Kabir Khunger inviting Dr. Baljit Kaur, Cabinet Minister for Social Security, Women and Child Development, Punjab

Adv. Rajat Verma inviting Prof. Hemlata Kapoor, Principal, GTB School, Malout

PATHANKOT

Dr. Shamsher Singh and Mr. Vikram Samyal inviting Dr. Sulakshay, Administrator, Sri Sai Group of Institutes, Pathankot

Dr. Shamsher Singh and Mr. Vikram Samyal inviting Dr. Kuldeep Gupta, Principal Srpaab College, Pathankot

PATIALA

Mr. Baljinder Singh Thakur inviting Prof. Pawan Singla Ex-Controller, Punjabi University Patiala and Former Commissioner, Right to Information Commission, Punjab

Mr. Baljinder Singh Thakur inviting Prof. Arvind Ekalgadda, Vice Chancellor, Punjabi University, Patiala

RUPNAGAR

Sdr. Hemit Singh, Mr. Jitender Sharma and Mr. Laxman Singh inviting Mr. John Merlin, Principal, Jesus Saviour Sr. Sec. School, Maroli Kalan, Morinda

Mr. Lokesh Sharma, Mr. Foran Chand and Dr. Vimal Mehta inviting Dr. Jasvir Singh, Principal, SGTB Khalsa College, Shri Anandpur Sahib

SANGRUR

Mr. Rajesh Kumar inviting Captain Rohit Diwedi, Principal, GTB School, Dhuri

Mr. Arun Garg inviting Dr. Sanjay Bansa, SMO, Civil Hospital, Lehragaga , Sangrur

KAPURTHALA

Mr. Suveet Passi and Mrs.Kavita Sharma inviting Mr. Visgesh Sarangal, DC, Kapurthala

Mr. Suveet Passi and Mrs. Kavita Sharma inviting Mr. Baldev Singh, Principal, LKC College, Kapurthala

TARN TARAN

Mr. Harendra Agarwal, Mr. Sushil Sharma, Mr. Chandra Agarwal, Mr. Sahdev and Mr. Surendra Singh inviting Mr. Harman Singh, Owner, Punjab Children's Academy (PCA), Tarn Taran

Mr. Harendra Agarwal, Mr. Sushil Sharma, Mr. Chandra Agarwal, Mr. Sahdev and Mr. Surendra Singh inviting Mr. Savinder Singh Pannu, Owner, Mamta Niketan, Tarn Taran

AMRITSAR

Dr. Thakur SKR, Mr. Saurabh Sharma and Mr. Pradeep Singh inviting Prof. Nagarajan Ramamoorthy, Director, IIM Amritsar

Mr. Rajesh Kumar and Mr. Saurabh Sharma inviting all the Government Sr. Sec. Schools of Amritsar

BARNALA

Adv. Vishal Garg inviting Ms. Bimmi Puri, Principal, YS Public School, Handiya, Barnala

Adv. Vishal Garg and Adv. Ruchita Garg inviting Mr. Shiv Singla, Dr. Shruti Sharma and Mrs. Shalini Sharma, Shri Darbari Lal Minar Memorial School, Barnala

FATEHGARH SAHIB

Dr. Amit Kansal and Dr. Hira Bhupal inviting Dr. Rajinder Bhupal, Khalsa College, Fatehgarh Sahib

Er. Himat Singh Hundal inviting Smt. Gurmeet Kaur, Principal and teaching faculty, Mata Sundary Sr. Sec. Model School, Fatehgarh Sahib

MALERKOTLA

Mr. Prem Singh Khimta inviting Ms. Harkamaljeet Kaur, Principal, BCS, Amargarh

Mr. Subhash Mahajan inviting Mr. Durgesh and Mrs. Zaidha Suleman from MD Real Flavour Media Group

NAWANSHAHR

Mr. Mandeep Tiwari inviting Mrs. Taranpreet Kaur Walia, Principal, B.L.M Arya Girls College, Nawanshahr

Mr. Mandeep Tiwari inviting Mrs. Gurbinder Kaur, Principal, DAN B.Ed. College, Nawanshahr

HOSHIARPUR

Dr. Thakur SKR and Prof. Navdeep Shekhar inviting Mr. Vijay Sampla, Chairman, National Commission for Scheduled Caste, and Former Minister of State for Social Justice and Empowerment

Mr. Mandeep Tiwari inviting Mrs. Manjula, Principal, Bliss Public School, Hoshiarpur

MOHALI

Dr. Thakur SKR and Mr. Chander Has Gupta inviting Prof. Ashwani Pareek, Director, NABI

Mrs. Pushpa Bhagi, Ms. Nisha Sharma and Mrs. Sonu Agnihotri Sharma inviting Mr. Bharat, Principal, Government High School, Phase - 5, Mohali

FIROZPUR

Dr. Amit Kansal inviting Mr. Sukhdev Singh, Managing Director, Sant Kabir Group of Institutions, Zira, Firozepur

FAZILKA

Adv. Vishal Garg inviting Principal, SVM Abohar

MANSA

Mr. Uttam Goal inviting Chairman, SVIET

MOGA

Dr. Thakur SKR and Mr. Vijay Kumar Nadda inviting Devinder Pal, Owner, Cambridge School, Moga

FARIDKOT

Mr. Uttam Goyal and Prof. Dinesh Nandi inviting Mr. Nikhil Gandhi, Principal Shivalik School Jaito, Faridkot; Mrs. Gursewak Maan, Principal Alliance International School, Jaito, Faridkot and Mrs. Priyanka Mehta, Principal, Shivalik Kids School, Jaito, Faridkot

2.2.1.2. Haryana

Haryana was the 2nd state of North Zone where massive personal invitations were rendered to the educationists, academicians, change makers and politicians. More than 0.5K invitations were given in various districts of Haryana. Pictorial samples of the campaign are depicted here.

Mr. Chandra Has Gupta, Mr. Kamal Deep and Mr. Satyendra Singh inviting Mr. Mool Chand Sharma, Higher Education Minister, Haryana.

Dr. Thakur SKR inviting Adv. Varinder Garg, Director, DHBVN and Treasurer, BJP Haryana

Dr. Thakur SKR, Mr. Sanyog Dutt and Mr. Vijay Nadda inviting Prof. B. K. Kuthiala, Chairman, HSHEC

2.2.1.3. Himachal Pradesh

Himachal Pradesh was the 3rd state of North Zone where massive personal invitations were rendered to the educationists, academicians, change makers and politicians. More than 0.3K invitations were given in various districts of Himachal Pradesh. Pictorial samples of the campaign are depicted here.

Volunteer of Shiksha Mahakumbh inviting Mr. Pawan Kumar, President cum Chairman, Shanti Niketan College of Education, Hamirpur

Dr. Thakur SKR, Mr. Sanyog Dutt, Mr. Mandeep Tiwari and Dr. Ramit Vasudeva inviting Mr. Rohit Thakur, Hon'ble Education Minister, Government of Himachal Pradesh

Dr. Thakur SKR, Mr. Sanyog Dutt, Mr. Mandeep Tiwari and Dr. Ramit Vasudeva inviting Mr. Shiv Pratap Shukla, Hon'ble Governor, Himachal Pradesh

2.2.1.4. Delhi

Delhi was the 1st UT of North Zone where massive invitation derive among VIPs was carried. More than 0.05K invitations were given to Cabinet Ministers, Directors, Vice Chancellors and Change Makers of Delhi. Pictorial samples of the campaign are depicted here.

Dr. Thakur SKR, Mr. Mandeep Tiwari and Mr. Karan Goel inviting Mr. Dharmendra Pradhan, Union Minister of Education, Bharat

Dr. Thakur SKR, Mr. Chander Has Gupta and Mr. Saurabh Sharma inviting Capt. Anurag Thakur, Minister of Youth Affairs and Sports, and Minister of Information and Broadcasting

Dr. Thakur SKR, Mr. Chander Has Gupta and Mr. Saurabh Sharma inviting Mr. Kashmiri Lal, National Organising Secretary, Swadeshi Jagran Manch

2.2.1.5. Chandigarh

Chandigarh was the 2nd UT apart from UTs of Ladakh and Jammu & Kashmir of North Zone where massive invitation derive among educationists, academicians, change makers in the society, etc., was carried. More than 0.05K invitations were given to Cabinet Ministers, Directors, Vice Chancellors and Change Makers of Chandigarh. Pictorial samples of the campaign are depicted here.

Dr. Thakur SKR, Dr. Neeraj Pant and Prof. Manjit Bansal inviting Prof. Renu Vig, Vice-Chancellor, Panjab University

Dr. Thakur SKR, Dr. Neeraj Pant and Prof. Manjit Bansal inviting Prof. Baldev Setia, Director, Punjab Engineering College

Mr. Vijay Kumar Nadda, Dr. Thakur SKR and Dr. Mohit Verma inviting Prof. Vivek Lal, Director, PGI, Chandigarh

Mr. Vijay Kumar Nadda, Dr. Thakur SKR and Mr. Sanyog Dutt inviting Sdr. Bhagwant Mann, Hon'able Chief Minister, Punjab.

2.2.1.6. Uttrakhand

Uttrakhand was the 1st state of Western Uttar Pradesh Zone where massive invitation derive among educationists, academicians, change makers in the society, politicians, bureaucrats, etc., was carried. More than 0.03K invitations were given to Chief Ministers, Cabinet Ministers, Directors, Vice Chancellors and Change Makers of Uttrakhand. Pictorial samples of the campaign are depicted here.

Dr. Neeraj Pant inviting Mr. Lokeshwar Singh, SSP, Pithoragarh

Dr. Neeraj Pant inviting Mr. Pushkar Singh Dhami, Hon'ble Chief Minister, Uttarakhand

Dr. Thakur SKR, Dr. Amit Kansal and Mr. Rudra Ravi Sharma inviting Swami Samagra Dev, Patanjali Yogpeeth, Haridwar

Dr. Amit Kansal, Dr. Thakur SKR, Dr. Neeraj Pant and Mr. Rudra Ravi Sharma inviting Mr. Ajaey Kumar, General Secretary (Organisation), BJP Uttarakhand

2.2.1.7. Uttar Pradesh

Uttar Pradesh was the 2nd state of Western Uttar Pradesh Zone where massive invitation derive among educationists, academicians, change makers in the society, politicians, bureaucrats, etc., was carried. More than 0.02K invitations were given to Chief Ministers, Cabinet Ministers, Directors, Vice Chancellors and Change Makers of Uttar Pradesh. Pictorial samples of the campaign are depicted here.

Dr. Thakur SKR, Mr. Karan Goel and Mr. Mandeep Tiwari inviting Mr. Vipin Menon ITS

2.2.1.8. Madhya Pradesh

Madhya Pradesh was the 1st state of Central Zone where massive invitation derive among educationists, academicians, change makers in the society, politicians, bureaucrats, etc., was carried. More than 0.1K invitations were given to Chief Ministers, Cabinet Ministers, Directors, Vice Chancellors and Change Makers of Madhya Pradesh. Pictorial samples of the campaign are depicted here.

Central Zone team inviting Mr. Shivraj Singh Chohan, Hon'ble Chief Minister, Madhya Pradesh

Central Zone team inviting Ms. Prigya Singh Thakur, MP, Bhopal

Dr. Amit Kansal and Mr. Sanyog Dutt inviting Mr. Inder Singh Parmar, Hon'ble Minister of School Education, Madhya Pradesh

Mr. Sanyog Dutt and Dr. Amit Kansal inviting Mr. Manguhhai C. Patel, Hon'ble Governor, Madhya Pradesh

2.2.1.9. Gujarat

Gujrat was the 1st state of West Zone where massive invitation derive among educationists, academicians, change makers in the society, politicians, bureaucrats, etc., was carried. More than 0.1K invitations were given to Chief Ministers, Cabinet Ministers, Directors, Vice Chancellors and Change Makers of Gujrat. Pictorial samples of the campaign are depicted here.

Mr. Sanyog Dutt, Dr. Hital Patel and Mr. Harsh Wardhan Dave inviting Mr. Kuberbhai Dindor, Hon'ble Minister, Primary, Secondary and Adult Education, Government of Gujarat

Dr. Hital Patel, Mr. Sanyog Dutt, Mr. Dharmeshbhai Pandya, Mr. Darshanbhai Rajgor and Mr. Harshvadan Dave inviting Mr. Acharya Devvrat, Hon'ble Governor, Gujarat

2.2.1.10. Rajasthan

Rajasthan was the 1st state of Rajasthan Zone where massive invitation derive among educationists, academicians, change makers in the society, politicians, bureaucrats, etc., was carried. More than 0.02K invitations were given to Directors, Vice Chancellors and Change Makers of Rajasthan. Pictorial samples of the campaign are depicted here.

Dr. Thakur SKR, Mr. Rajendra Kumar, Dr. Navdeep Shekhar and Mr. Sanyog Dutt inviting Mr. Om Birla, Hon'ble Speaker, Lok Sabha

2.2.1.11. Tamil Nadu

Tamil Nadu was the 1st state of South Zone where massive invitation derive among educationists, academicians, change makers in the society, politicians, bureaucrats, etc., was carried. More than 0.02K invitations were given to Directors, Vice Chancellors and Change Makers of Tamil Nadu. Pictorial samples of the campaign are depicted here.

Dr. Amit Kansal inviting Didi Navedita, President, Swami Vivekanad Kendar

2.2.1.12. Canada

Overseas Volunteer of Shiksha Mahakumbh inviting a delegate in Canada

2.2.2. Letters

Throughout Bharat, more than 5K invitations were sent to the dignitaries via speed post for the purpose of invitation in Shiksha Mahakumbh. The breakup of these letters is depicted in the Table.

Sr. No.	Particulars	No.
1	Companies	879
2	National Institutes	160
3	Chief Ministers	30
4	Governors	31
5	Education Ministers and Secretaries	51
6	Union Ministers, PM, VP and President	105
7	Spiritual Leaders	1022
8	Young Politicians	135
9	Young You Tubers	1049
10	Young Singers	524
11	Universities	1083
12	Social Organizations	198
	Total No. of Letters	**5257**

2.2.3. E-mails

Throughout Bharat, more than 10K invitations were sent to the dignitaries via email for the purpose of invitation in Shiksha Mahakumbh. The breakup of these emails is depicted in the Table.

Sr. No.	Particulars	No.
1	Companies	2979
2	National Institutes	160
3	Chief Ministers	30
4	Governors	31
5	Education Ministers and Secretaries	51
6	Union Ministers, PM, VP and President	105
7	Spiritual Leaders	1022
8	Politicians	2535
9	You tubers	1597
10	Singers	724
11	Universities	1083
12	Organizations	198
	Total No. of E-mails	**10517**

2.3 Conclusion

The campaign to promote Shiksha Mahakumbh was an extensive and ambitious endeavor, spanning various states in Bharat and engaging a diverse range of individuals, from educators to politicians and influencers. Here's an attractive conclusion summarizing the key points:

In the pursuit of spreading the noble cause of Shiksha Mahakumbh, an extraordinary campaign unfolded. What initially began without a grand plan quickly gained momentum as the message touched the hearts of the people. With overwhelming responses, a decision was made to lead from the front, and it led to a remarkable journey.

A total of 31 press conferences were held, weaving a web that covered Punjab, Haryana, Madhya Pradesh, and Himachal Pradesh. These press conferences became the platform to address and inform the masses, bringing the essence of Shiksha Mahakumbh closer to home.

The invitation campaign was equally awe-inspiring. Personal invitations were extended to distinguished educationists, influencers, and society's change-makers. These invitations reached more than 2,000 individuals across 10 States and Union Territories. In addition to personal invitations, over 5,000 letters and 10,000 emails reached the desks of notable figures across Bharat.

The purpose of this extensive campaign was to enlighten the entire nation about Shiksha Mahakumbh, a mission close to our hearts. We aimed to touch the lives of those who can be the architects of change in education.

In summary, this campaign was a mosaic of effort, weaving together the diverse threads of our society. It's a testament to our collective dedication to shaping a better future for education in Bharat, and we look forward to the inspiring journey ahead.

The details about Turn Around, Papers & Projects, Media Coverage and the potential Outcome are described in subsequent Chapters.

Chapter-3

TURN AROUND

Chapter-3

3. Introduction

In the realm of event management, the concept of a turnaround represents a pivotal process of transformation and rejuvenation that can either elevate or diminish the impact of an event. The meticulous planning, innovative strategies, and unwavering dedication along with well-structured schedule shaped the remarkable success of the ***Shiksha Mahakumbh***. All together resulted into a significant gathering of educators, dignitaries, and students in the inaugural edition of ***Shiksha Mahakumbh*** spread over three days. The day wise turnaround is described in subsequent sections.

Day 1: set the tone for the event, focusing on the ***Integration of Bhartiya Traditional and Modern Education Systems for Sustainability.*** The day commenced with a rejuvenating Yoga and Pranayama Session led by Dr. Navdeep Joshi from SLBS National Sanskriti University. Participants then gathered for a hearty breakfast followed by registration fostering interaction among attendees.

The highlight of the day was the Inaugural Session, featuring a diverse array of dignitaries and esteemed speakers. It began with the ceremonial Lighting of the Lamp and Saraswati Vandana, evoking a sense of reverence. Prof. Binod Kanaujia, Director of NIT Jalandhar, delivered a warm Welcome Address, followed by an insightful talk on ***Shiksha Mahakumbh*** by Mr. Deshraj Sharma, General Secretary of Vidya Bharti (North Zone). The event saw the presence of eminent figures, including Capt. Anurag Singh Thakur, Minister of Sports & Youth Affairs, as the Chief Guest; Prof. Adarsh Pal Vig, Chairman, PPCB as Guest of Honour and Mr. Irwin Khanna, Editor-in-Chief of The Uttam Hindu, as the Keynote Speaker.

Capt. Anurag Singh Thakur
Union Minister of Sports & Youth Affairs

Post Inaugural Session, participants enjoyed a sumptuous lunch before diving into Session-1, dedicated to Integration of Bhartiya Traditional and Modern Education Systems for Sustainability. Distinguished speakers like Mr. Shiv Prakash, General Secretary, BJP; Prof. R. P. Tiwari, Vice Chancellor, Central University of Punjab; Dr. Prateek Kishore, Director, TBRL/DRDO; Prof. (Dr.) Madhukarbhai S. Padvi, Vice Chancellor, Birsa Munda Tribal University; Dr. Kishorsinh Natversinh Chavda, Vice Chancellor, Veer Narmad South Gujarat University, Surat; Prof. Pawan Kumar Singh, Director, IIM Trichy and Prof. R. N. Yadava, Vice Chancellor, Purnea University along with Mr. Vijay Sampla, Chairman, National Commission for Schedule Castes as Chief Guest of the Session 1 illuminated the audience with their insights.

The day concluded on a high note with a Cultural Programme that celebrated the rich tapestry of Bhartiya culture, followed by a delightful dinner, fostering interactions and camaraderie among participants.

Day 2: focused on ***Skill, Startup, and Entrepreneurship in Education,*** offering a deep dive into these critical facets of modern learning. The day began with the customary Yoga and Pranayama Session and a hearty breakfast and registration, setting the stage for a day packed with enriching experiences.

Session-2 commenced with Paper Presentations and Student Project Exhibition, offering attendees a

glimpse into groundbreaking research and innovative student projects. Further this Session witnessed the Panel Discussion moderated by Adv. Rajat Verma, Swadeshi Jagran Manch, Mohali. The panellists included Mr. Vinay Kumar, Organizing Secretary of Swadeshi Jagran Manch, Punjab; Mr. Vijay Kumar Nadda, Organizing Secretary of Vidya Bharti (North Zone); Mr. D. Ramakrishan Rao, National President of Vidya Bharti; and Dr. Amit Kansal, Director of NHPC. This discussion provided valuable insights into the role of digital media and academia in shaping education and skill development.

In Session-3, luminaries from various fields shared their wisdom on Skill, Startup, and Entrepreneurship in Education. The day's events also featured a Welcome Address by Mr. D. Ramakrishan Rao, National President of Vidya Bharti; Keynote Address by Mr. Satish Kumar, Joint Organizing Secretary of Swadeshi Jagran Manch; and the presence of Mr. Bandaru Dattatreya, Hon'ble Governor of Haryana, as the Chief Guest. Dr. Neetesh Singh, Organizing Secretary of Bhartiya Shikshan Mandal, Punjab, delivered the Vote of Thanks, expressing gratitude to all participants and guests.

Mr. Bandaru Dattatreya
Hon'ble Governor of Haryana

Post Lunch, Session-4, also dedicated to Skill, Startup, and Entrepreneurship in Education, The session was inaugurated with the introduction of guests and a warm welcome by State Office Bearers of Swadeshi Jagran Manch, Punjab. Dr. Navdeep Joshi, Assistant Professor from SLBS National Sanskrit University, forwarded the session, and Mr. Pawan Pant, a renowned astrologer, officially opened the proceedings. This session featured enlightening lectures from several eminent speakers, including Mr. KN Raghunandan, Organizing Secretary of Vidya Bharti - Ucch Shiksha Sansthan; Mr. Kashmiri Lal, National Organizing Secretary of Swadeshi Jagran Manch; Prof. L. K. Awasthi, Director of NIT Uttarakhand; Prof. G. C. Bhimani, Vice Chancellor of Saurashtra University, Rajkot; Mahant Ji; Mr. Veer Vikrant of Think India; and Sdr. Rajendra Singh, Director of Chandigarh Group of Colleges. The session was presided over by Mr. Surendra Attri, Vice President of Vidya Bharti (North Zone), and concluded with a Vote of Thanks by Dr. Neeraj Pant.

The day concluded with another Cultural Programme and an interactive dinner, allowing participants to unwind and engage with peers and mentors.

Day 3: delved into ***Integration of Higher Educational Institutions with Schools,*** a critical topic for shaping the future of education. The day began with Yoga and Pranayama, followed by breakfast to fuel participants for the day ahead.

Session-5 featured Paper Presentations and Student Project Exhibition, showcasing research and projects that bridge the gap between schools and higher education. Further this Session accommodated a Panel Discussion moderated by Mr. Saurabh Sharma, Deputy Registrar of PTU; the panel included Dr. Arvind Kumar, Bhartiya Shikshan Mandal, Punjab; Dr. Nitya, Professor at PTU; Mr. Subhash Mahajan, Vice President, SES; and Prof. Manjit Bansal, Head of the Civil Engineering Department at MRS PTU. This discussion explored the evolving role of digital media and academia in shaping educational landscapes.

Post Lunch, Session-6 threw light on Integration of Higher Educational Institutions with Schools. The session began with an introduction of guests and a warm welcome by State Office Bearers of Bhartiya Shikshan Mandal, Punjab. Prof. Amar P. Garg, Vice Chancellor of Shobhit University, inaugurated the session. Distinguished speakers, including Dr. Jaideep Arya, Chairman of Haryana Yog Aayog, Haryana; Prof. Rama S. Verma, Director of MNNIT Allahabad; Mr. Praveen Saini (IAS Retd.), Vice President of Vidya Bharti (North Zone); Mr. Abhishek Tandon, State President of ABVP Delhi; Mr. Rupesh Kesari, Founder of English Connection; and Mr. Shankarananda, National Organising Secretary of Bhartiya Shikshan Mandal; shared their insights during this session. Mr. Surendra Attri, Vice President of Vidya Bharti (North Zone); presided over the session, which concluded with a heartfelt Vote of Thanks by Mr. Vijay Thakur, Finance Secretary of SES, Punjab.

Mr. Banwari Lal Purohit
Hon'ble Governor of Punjab

The grand finale of Shiksha Mahakumbh was the Valedictory Session, graced by Mr. Banwari Lal Purohit, Hon'ble Governor of Punjab, as the Chief Guest. The event included the Handing Over of Shiksha Mahakumbh and Shiksha Kumbh batons, symbolizing the continuity of this educational movement. Prof. Rajeev Ahuja, Director of IIT Ropar, delivered the Keynote Address other dignities of this session.

Shiksha Mahakumbh was a monumental success, characterized by a diverse spectrum of participants and a fervent commitment to advancing education. The event welcomed 35 distinguished speakers, comprising Governors, Cabinet Ministers, Chairmen of State and National Boards, Directors of Institutes of National Importance, and Vice-Chancellors of Central Universities, who enriched the gathering with their profound insights and expertise. The talks of these distinguish personality are to be brought out as a compilation in the separate book.

The event hosted 76 scholarly paper presentations, providing a valuable platform for scholars and experts to disseminate their research and innovative ideas. Furthermore, it celebrated the boundless creativity of young minds through the showcase of 41 student projects, emphasizing the significance of nurturing innovation in education. These papers and projects are summarized in ***Chapter 4***.

The participants in the Shiksha Mahakumbh can be broadly categorized into two main groups: online and offline attendees. The event witnessed a remarkable gathering of individuals who played various roles to make it a resounding success.

On the online front, an impressive turnout of 24,000 participants joined the event virtually. This included VIP Delegates, who brought their insights and influence to the platform, enhancing the discussions and outcomes. Principals and Heads of Departments (HoDs) from educational institutions, an integral part of the academic landscape, actively engaged in the event. Complementing them were dedicated faculties, contributing their expertise and knowledge.

School students, the very embodiment of our educational future, were well represented in this digital congregation. Their presence showcased the commitment to nurturing young minds.

In the offline realm, the event saw the participation of students from NIT (National Institute of

Technology), a testament to the inclusivity and forward-thinking nature of Shiksha Mahakumbh. The core organizers, comprising dedicated committee members, ensured that every detail was meticulously managed for a seamless experience.

Last but not the least, the Vice-Chancellors and Directors of educational institutions were the guiding forces, steering the event toward its objectives. In total, an impressive number of 27,564 individuals converged to create a vibrant and diverse community, fostering dialogue, collaboration, and the exchange of knowledge at Shiksha Mahakumbh.

The ***Shiksha Mahakumbh*** exhibition featured a wide range of stalls (42 Nos); each offering a unique perspective on education, sustainability, and technological advancements. Further, the event's commitment to recognizing excellence in education was evident in its ***Talent Recognition Program***, which received 140 applications, honoring outstanding contributions from students, teachers, principals, and NGOs in the field of education. At ***Shiksha Mahakumbh***, the importance of cultural diversity and artistic expression was recognized by integrating these elements (14 Nos of performances) into this event to create a truly enriching and memorable experience. The details about Exhibition, Talent Recognition Programme and Cultural Programmes are provided in subsequent sections.

3.1. Exhibition

Exhibitions play a pivotal role in fostering knowledge exchange, innovation, and networking within various domains. They bring together a diverse array of stakeholders, including businesses, educational institutions, and NGOs, creating an environment ripe for collaboration and learning. In the context of ***Shiksha Mahakumbh,*** the exhibition was not just a physical space but a conduit for showcasing cutting-edge solutions, sustainable practices, and transformative ideas. It provided attendees with a unique opportunity to explore, interact, and engage with exhibitors who are at the forefront of their respective fields.

The ***Shiksha Mahakumbh*** exhibition was a testament to the event's commitment to holistic education and innovation. It featured a wide range of stalls, each offering a unique perspective on education, sustainability, and technological advancements. From Perfect Crew Service Pvt. Ltd. to Punjab Pollution Control Board, the exhibition encompasses businesses, non-profit organizations, and educational institutions, making it a comprehensive and enriching experience for attendees. The exhibition was a treasure trove of knowledge and inspiration. The details of all the stalls according to their categories are provided in subsequent sections.

Educational Organizations and Initiatives: Educational institutions like Bhartiya Shikshan Mandal, Vigyan Bharti, Vidya Bharti Punjab, and Think India showcased innovative approaches to teaching and learning wherein new methods and practices that can enhance educational experiences were major attraction.

Sustainable Practices: Stalls like Visal Vermi Compost, Punjab Pollution Control Board, and emphasized on sustainability and environmental conservation wherein eco-friendly solutions and practices that contribute to a greener future were mesmerized the visitors.

Entrepreneurship and Startups: Student Startups, Kross Bikes, Jobs360°, NPI E-Cycle, Student Project Exhibition and Virgo Panel Wintek Prelims offered insights into the world of entrepreneurship and startups wherein visitors gained knowledge about emerging business trends and opportunities.

Cultural and Literary Endeavors: Apna Sahitya, Virsa Sambhal Muhim, Hariawal Punjab and Surbhi Diye delve into the realms of culture and literature wherein visitors explored the rich cultural heritage and literary traditions that shape the society.

Innovative Products: From Sarvhitkari Herbal Seeds to TUDU App; Punjab Super 100 to MBD Books attendees could discover a range of innovative products that have the potential to transform various aspects of life.

In summary, the Shiksha Mahakumbh exhibition was a hub of creativity, knowledge, and collaboration. It offered attendees a chance to witness the forefront of education, sustainability, and entrepreneurship while fostering connections and sparking new ideas. It's an experience that encapsulates the essence of Shiksha Mahakumbh – a holistic and transformative event for all.

Educational Organizations and Initiatives

Bhartiya Shikshan Mandal

Vidya Bharti Punjab

Think India

Vigyan Bharti

Sustainable Practices

Punjab Pollution Control Board

Visal Vermi Compost

Entrepreneurship and Startups

Jobs360°

Virgo Panel Wintek Prelims

Student Project Exhibition

NPI E-Cycle

Kross Bikes

Student Startups

Cultural and Literary Endeavors

Apna Sahitya

Surbhi Diye

Virsa Sambhal Muhim

Hariawal Punjab

Innovative Products

TUDU App

Sarvhitkari Herbal Seeds

MBD Books

Punjab Super 100

3.2. Talent Recognition

Talent recognition is an essential element to acknowledge the outstanding contributions and achievements of individuals in the field of achievements. The Talent Recognition Programme was an out of the box initiative of Shiksha Mahakumbh aimed to celebrate the excellence in education. Shiksha Mahakumbh, a prestigious educational gathering, organized a comprehensive talent recognition program to honor and highlight excellence across various categories within the education sector as described in subsequent sections.

Students' Category: A total of 91 entries were received from students who displayed exceptional skills, talents, and innovative ideas.

Teachers' Category: There were 23 entries from dedicated and innovative educators who had made significant contributions to the field of teaching.

Principals' Category: 23 Principals, who played a pivotal role in shaping educational institutions, applied in this category.

Others Category: This category included 3 entries from NGOs and organizations that have made remarkable contributions to education and related initiatives.

To ensure a fair and impartial evaluation of the entries, a distinguished jury was assembled, with Dr. Rekha Bhardwaj, Vice President of the Sarvhitkari Educational Society, leading as the Chairperson. The jury consisted of prominent members including Mr. Subhash Mahajan, Vice President of the Sarvhitkari Educational Society, and Dr. Karan Veer, Assistant Professor at Dr. B. R. Ambedkar National Institute of Technology Jalandhar.

The jury meticulously scrutinized all 140 entries across the four categories. Their evaluation criteria likely included factors such as innovation, impact, sustainability, and relevance to the educational landscape. The objective was to identify entries that demonstrated exceptional merit and potential to inspire positive change in education. 21 participants in students' category, 11 educators in teachers' category, 10 in principals' category and 3 organizations were celebrated for their valuable contributions to the education sector. The details about award winners are provided in Results Section.

The pinnacle of this talent recognition program was the award ceremony, which took place during the valedictory function of Shiksha Mahakumbh on June 11, 2023. The ceremony was held in the Central Seminar Hall (CSH) of Dr. B.R. Ambedkar National Institute of Technology Jalandhar. During this prestigious event, the award winners were presented with trophies to acknowledge their exceptional efforts and achievements. This ceremony not only served as a platform to celebrate their excellence but also inspired others in the education community to strive for similar heights.

Winners Receiving Awards from Director, NIT Jalandhar

Winners Receiving Awards from Organising Secretary, Vidya Bharti, North Zone

It's important to note that while a select few received awards, all participants in the talent recognition program were recognized for their efforts and dedication. Every participant was presented with participation certificates as a token of appreciation.

3.3 Cultural Programme

Cultural programs serve as a vibrant and celebratory dimension to events, enriching the experience by fostering cultural exchange and providing entertainment. At Shiksha Mahakumbh, the importance of cultural diversity and artistic expression was recognized by integrating these elements into the event to create a truly enriching and memorable experience.

Over the course of three days, the cultural program seamlessly integrated with the conference themes, enhancing participants' understanding of the rich tapestry of Bhartiya culture and its connection to education. Each day, participants embarked on a thematic journey that not only entertained but also educated, allowing them to immerse themselves in the beauty of our diverse cultural heritage.

Day 1: Classical Elegance

- **Classical Dance:** The program kicked off with a mesmerizing classical dance performance, showcasing the grace and elegance of traditional Bhartiya dance forms. It transported the audience to a world of artistic beauty and cultural richness.
- **Group Dance:** Participants came together in a coordinated group dance that celebrated unity and harmony, setting the tone for a day of cultural exploration.
- **Folk Dance - Bhangra:** The energetic bhangra performance added a burst of vitality to the event, showcasing the vibrant Punjabi culture and its infectious enthusiasm.
- **Poem:** Dr. Akhileshwar Arora, through his poignant poetry, brought depth to the cultural program, offering thought-provoking insights into the conference's themes.
- **Folk Song (Male):** A male vocalist took the stage, serenading the audience with traditional folk songs that resonated with the soul of the country.
- **Folk Dance (Male):** This captivating male folk dance performance celebrated the traditions and heritage of Bharat through rhythmic and expressive movements.
- **Cultural Song:** Prof. Pawan Kumar Singh, the Director of IIM Trichy, added a touch of cultural sophistication with his melodious rendition of a cultural song, bridging the gap between education and tradition.

Day 2: Semi-Classical Extravaganza

- **Semi-Classical Dance:** The second day unfolded with a spellbinding semi-classical dance performance that beautifully blended classical and contemporary elements, showcasing the evolution of Bhartiya dance.
- **Group Dance:** Participants joined hands for a semi-classical group dance, reflecting the fusion of tradition and modernity in Bharat's cultural landscape.
- **Bhangra:** The infectious beats of Bhangra once again enthralled the audience, highlighting the sheer exuberance of Punjabi culture.
- **Gidha:** Gidha, a lively folk dance performed by women, added a vibrant and celebratory touch to the cultural program.
- **Folk Song (Female):** A female vocalist took center stage, serenading the audience with her soulful rendition of folk songs that captured the essence of Bhartiya folk traditions.

- **Folk Dance (Female):** The female folk dance performance celebrated the grace and beauty of Bhartiya women through expressive movements and colorful attire.
- **Poem:** Renowned poet Mr. Rakesh Dangi graced the event with his poetic prowess, touching the hearts and minds of the audience with his verses.

The cultural program at Shiksha Mahakumbh was not merely entertainment; it was a dynamic and immersive experience that celebrated Bharat's cultural diversity while reinforcing the conference's educational themes. It provided a platform for participants to not only witness the beauty of tradition but also actively participate through dance, song, and poetry, creating memories and fostering cultural exchange. Even the Vice Chancellors, Directors, etc., took part in group dance, emphasizing the inclusive and participatory nature of this cultural celebration.

3.4 Accommodation and Hospitality

At Shiksha Mahakumbh an unwavering mission to ensure the ultimate comfort and convenience for all the esteemed participants was embarked. Whether they were VIPs, Guests from Sangathans associated with RSS, Members of dedicated organizing team, or Participants, the commitment to hospitality extended to every corner of the event. The arrangements of hospitality to the participants' fraternity is described in subsequent sections.

VIPs

Over 50 VIPs, including Governors, Ministers, Vice-Chancellors, Directors, and Renowned Singers, were given the red-carpet treatment at the Main Guest House of NIT Jalandhar. The importance of providing these distinguished guests with an environment that matched their stature was recognized, offering them an experience characterized by comfort and luxury.

Participants from Sangathans

For guests from Sangathans associated with RSS, a warm welcome was extended at Vidya Dham, which serves as the Headquarters of Vidya Bharti Punjab. This served as more than just accommodation; it was a place where like-minded individuals could come together, network, and collaborate while enjoying the serene surroundings of Vidya Dham.

Organizing Team

The organizing team, consisting of over 120 dedicated members, played a pivotal role in ensuring the event's success. To facilitate their involvement, the arrangement of their accommodation was done at SAC Guest House. This not only provided them with a comfortable place to rest but also served as a hub of activity and collaboration where ideas were exchanged, and strategies were refined.

Principals and Professors

Understanding the unique needs of Principals and Professors, the accommodations was provided in the Mega Guest House. This facility was designed to offer a serene and peaceful atmosphere where these educational leaders could relax and recharge, ready to engage in the enriching sessions and discussions at the event.

Student Participants

For participants, both students and general attendees, the comfortable accommodations in the Mega Boys and Girls Hostels were ensured. These facilities were more than just places to sleep; they were vibrant hubs of activity and camaraderie. Here, participants from diverse backgrounds came together to share experiences, foster connections, and create lasting memories.

The approach to hospitality was not just about providing a place to stay; it was about creating an environment where participants could feel at home. By offering a range of comfortable accommodation options, its aimed to remove any distractions or concerns related to logistics, allowing everyone to focus entirely on the enriching experiences and discussions that Shiksha Mahakumbh had to offer.

3.5. Conclusion

Shiksha Mahakumbh was a resounding success, marked by meticulous planning, diversity in participation, and a commitment to fostering excellence in education. Each day was a tapestry of wisdom, innovation, and cultural celebration, reflecting the holistic vision of education and learning that Shiksha Mahakumbh embodied. This chapter provided a detailed glimpse into the heart of the conference, where ideas were born, connections were forged, and the future of education was illuminated. The event seamlessly blended cultural richness, innovative thinking, and recognition of talent, creating an unforgettable experience for all involved. With its transformative impact and unwavering dedication to the field of education, Shiksha Mahakumbh stands as a beacon of inspiration and progress in the world of educational events. The details about Papers & Projects, Media Coverage and the potential Outcome are described in subsequent Chapters.

Chapter-4

PAPERS AND PROJECTS




Chapter-4

4. Introduction

In the heart of the शिक्षा महाकुंभ conference, Chapter 4 unveils a remarkable tapestry of knowledge and ideas presented by passionate authors from diverse backgrounds. Each session is a journey in itself, embarking on themes that resonate deeply with the pursuit of a harmonious education system.

The first section, ***"Integration of Bhartiya Traditional and Modern Education Systems for Sustainability"***, ushers us into a realm where twelve unique papers converge, offering profound insights into bridging the gap between ancient Indian wisdom and contemporary educational needs. The esteemed session chairs, Dr. Jatinder Garg, Mr. M.L. Aery, Mr. Rakesh Sharma, and Ms. Aabha Naagar, bring their wealth of experience to guide us through this transformative journey.

In the second segment, ***"Skill, Start-up, and Entrepreneurship in Education"***, the stage is set for five pioneering papers, where education becomes the canvas for entrepreneurship. Dr. Manoj Kumar, Dr. Ravinder Thakur, Dr. Sanjeev Naval, and Dr. Ekta lead us through this landscape of innovation and empowerment.

Transitioning into the third session, ***"Integration of Higher Educational Institutions with Elementary Education"***, we encounter two potent papers that offer a glimpse into the profound synergy of higher education and its impact on the foundational levels. The distinguished session chairs, Dr. Jatinder Garg, Dr. Nitya, Dr. Gaurav Bhargav, Dr. Rajesh, and Ms. Aabha Naagar, illuminate the path to an integrated and holistic educational approach.

Finally, the ***'Miscellaneous'*** session unveils a treasure trove of 57 papers, each a unique facet of knowledge. Under the guidance of Dr. Gaurav Sharma and Ms. Aabha Naagar, these papers offer a mosaic of ideas, challenges, and solutions that define the contemporary educational landscape.

Session 2: A Confluence of Creativity, Innovation, and Artistry"In the enchanting world of the शिक्षा महाकुंभ, Session 2 emerges as a testament to human ingenuity and imagination. It's a tapestry woven from the threads of creativity, innovation, and the sheer beauty of artistic expression. As the curtains rise, we find ourselves at the intersection of three fascinating categories, each brimming with the promise of inspiration.

Category 1 - Showcase: This is where the torchbearers of innovation take the stage. Nine passionate individuals step forward, each carrying a unique project idea that has the potential to shape the future of education. Their collective energy and drive promise to ignite the imagination.

Category 2 - Project Ideas: In this category, the stage belongs to the dreamers, the thinkers, and the visionaries. Eighteen innovators, each with a project idea that could redefine educational paradigms. Their ideas span the spectrum, from the pragmatic to the revolutionary, but all share a common thread - a commitment to making education better, brighter, and more accessible for all.

Category 3 - Artwork: Amidst the sea of ideas and innovations, art adds a touch of aesthetic brilliance. Twenty-two students unveil their creations, their artwork a testament to the depth of human expression. Each piece is a story, a reflection, a statement that echoes through the hallways of education, reminding us that there's more to learning than just facts and figures.

4.1 Papers

Section 1, unfolds before us, revealing a captivating tapestry of knowledge and ideas, thoughtfully presented by passionate authors hailing from diverse backgrounds. In this intricately woven narrative, each session is a distinct journey, delving into themes deeply resonant with the pursuit of a harmonious education system.

Our voyage begins with the first segment, "Integration of Bhartiya Traditional and Modern Education Systems for Sustainability." Here, we are immersed in a realm where twelve distinct papers converge, offering profound insights into the art of bridging the chasm between ancient Indian wisdom and the contemporary needs of education. Guiding us through this transformative journey are esteemed session chairs, namely, Dr. Jatinder Garg, Mr. M.L. Aery, Mr. Rakesh Sharma, and Ms. Aabha Naagar, who bring their wealth of experience to illuminate our path.

Next, we step into the second segment, "Skill, Start-up, and Entrepreneurship in Education." Within this chapter, education becomes the vibrant canvas upon which entrepreneurship is painted. Five pioneering papers lead the way, with Dr. Manoj Kumar, Dr. Ravinder Thakur, Dr. Sanjeev Naval, and Dr. Ekta as our able guides through this landscape of innovation and empowerment.

Our journey continues as we transition into the third session, "Integration of Higher Educational Institutions with Elementary Education." Here, we encounter two potent papers that provide a glimpse into the profound synergy between higher education and its impact on the foundational levels. Distinguished session chairs, including Dr. Jatinder Garg, Dr. Nitya, Dr. Gaurav Bhargav, Dr. Rajesh, and Ms. Aabha Naagar, light the way, revealing the path toward an integrated and holistic approach to education.

Finally, the 'Miscellaneous' session unveils a treasure trove of 57 papers, each a unique facet of knowledge. Under the able guidance of Dr. Gaurav Sharma and Ms. Aabha Naagar, these papers offer a mosaic of ideas, challenges, and solutions that define the dynamic and ever-evolving landscape of contemporary education.

Section 1, is not merely a compilation of papers; it is an expedition into the dynamic world of education, where tradition harmoniously meets innovation, and where each paper serves as a vital building block in the collective quest for educational excellence.

SECTION - I

PAPERS

Integration of Bhartiya Traditional and Modern Education Systems for Sustainability

Session Chairs

Dr. Jatinder Garg, Associate Professor, BHSBIET, Lehragaga
Mr. Rakesh Sharma, Principal, Sai Das School, Jalandhar
Mr. M.L. Aery, Retd. Director, DAV Management
Ms. Aabha Naagar, Advocate, Jalandhar

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Paper ID: 287

Bhartiya Gurukul Education System for Holistic Development of Student

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Abstract

India has always boasted of a rich tradition in the area of teaching-learning and education system since ancient times. Even people from other nations such as Europe, The Middle East and Portugal came to India to get quality education. The main focus of Gurukul System of Education of ancient India was to impart learning in natural surrounding where the shishyas (students) and gurus (teachers) lived with each other with brotherhood, humanity, love and discipline. The Guru (teacher) imparted the knowledge of everything such as Religion, Sanskrit, Scriptures, Medicines, Philosophy, Literature, Warfare, Statecraft, Astrology, History, Politics, Mathematics, Leadership and many more. The learning was not only to read books but correlating it with the nature and life. It was not memorizing the facts and figures and writing the answers in the examination but it was based on Vedas, Rules of Sacrifice, Grammar, Derivation, Understanding the secrets of nature, Logical reasoning, Science and Skills necessary for an occupation. Now-a-days there is a total absence of personality development, creation of moral conscience and ethical training. One of the biggest flaws about this education is that it is more commercial in nature rather than institutional concept that should impart holistic learning to the students. It devotes very less time for physical, mental, emotional and ethical aspect which encases a student in a better human being. The recent new education policy is also focus more on experiential learning, skill development, creative, logical reasoning, to nurture each child's potential, flexible learning , innovative ability and to empower the children. All these goals are going to be achieved with incorporating Gurukul Education System. This paper deals with such things.

Keywords: Gurukul System, Ancient India, Teaching-learning, Shishyas, Guru, Occupation.

"Education is the manifestation of perfection already in a man."
- Swami Vivekananda

2

Paper ID: 853

Relevance of Traditional Education System in Modern Era

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Abstract

The purpose of writing this article is to make everyone aware about the importance of traditional education system with the amalgamation of modernity. If we see the great people of that time, they were more learned. They studied not only Indian religion but also mathematics and science. They studied in Gurukulas and Ashrams, where they were trained to become a good human being who possessed many skills. In modern times students are studying with new technologies, electronic gadgets and prescribed syllabus, etc. Even though digital mediums of learning have many advantages, traditional education is still the key to success. An attempt has been made to write this article on the basis of practical study and own experience. How interesting it must have been to get education in the traditional Gurukul tradition and in the company of a Guru. Religious texts, books, articles shown from time to time give us incredible information about this subject. Learned something from there, learned something from my parents and converted it into an article. In the traditional education system, students learned through direct instruction and lectures, seatwork, listening, and observation. Work based on textbooks, lectures, and individual written assignments. The modern education system emphasizes progressive learning and project-based learning using any available resources, including student-led exploration, group activities, the internet, the library, and external experts. The limitation of this education system is that amidst the new dimensions of the modern system, traditional education has been left behind. In today's time, there is a dearth of people who promote it. In this, instead of one and one two, one has to work with the thinking of one and one eleven. I have tried to put my feelings on this paper. I believe that in times to come, along with modern education, traditional values should also be taught to children in every educational institution. With this, not only will they be able to work on a good position, but will also empower the nation by becoming excellent citizens.

Keywords: Traditional Education, Progressivism, Project-based Learning, Direct Instruction, Observation, Learning Methods, Student-led Exploration.

"In education, you need to think about the future."
- A. P. J. Abdul Kalam

3

Paper ID: 2895

Bhartiya Gurukul Education System for Holistic Development of a Student

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Abstract

The Gurukul system of education is a traditional Indian system of education that has a long and rich history. It is a residential system of education where students live with their teachers, called gurus, and learn from them in a variety of subjects, including the Vedas, the Upanishads, and the Hindu epics. The Gurukul system is based on the principles of discipline, respect, and service to the guru and the community.

The Gurukul system has a number of benefits for students, including holistic education, strong moral character, lifelong learning, and community service. However, it also faces a number of challenges, such as cost, access, and lack of government support.

Despite these challenges, the Gurukul system of education is still relevant in today's world. It can provide students with a holistic education that prepares them for the challenges of life. It can also help to instill in them strong moral character and a commitment to community service.

Some of the key features of the Gurukul system of education

Residential system: Students live with their teachers and learn from them in a variety of subjects.

Discipline: Students are expected to be disciplined and respectful of their teachers and the community.

Service: Students are expected to serve their teachers and the community.

Spirituality: The Gurukul system is based on the principles of spirituality and Hindu values.

Some of the benefits of the Gurukul system of education

Holistic education: Students receive a holistic education that includes academic, spiritual, and social-emotional learning.

Strong moral character: Students develop strong moral character and learn to be disciplined, respectful, and service-oriented.

Lifelong learning: Students learn the value of lifelong learning and are encouraged to continue their education after they leave the Gurukul.

Community service: Students learn the importance of community service and are encouraged to give back to their community.

Some of the challenges of the Gurukul system of education

Cost: The Gurukul system is a residential system, which can be expensive for families. Access: The Gurukul system is not accessible to all students, especially those who live in rural areas.

Lack of Government support: The Indian government does not provide much support for the

Gurukul system. Despite these challenges, the Gurukul system of education is still relevant in today's world. It can provide students with a holistic education that prepares them for the challenges of life. It can also help to instil in them strong moral character and a commitment to community service.

Keywords: Gurukul System, Holistic Development, Student Development, Residential System, Lifelong Learning, Community Service.

"The purpose of education is to make good human beings with skill and expertise." - Dr. A. P. J. Abdul Kalam

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Paper ID: 2718

Bhartiya Gurukul Education System is a Traditional Indian System of Education

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Abstract

The Bhartiya Gurukul education system is a traditional Indian system of education that focuses on holistic development and the overall growth of a student. It is rooted in ancient Indian traditions and emphasizes not just academic knowledge but also physical, emotional, and spiritual development. Some key aspects of the Bhartiya Gurukul education system are described in subsequent sections.

Gurukul Structure: The system is based on the Gurukul structure, where students live and learn together in a residential setup. They stay with their teachers, known as gurus, who not only impart academic knowledge but also serve as mentors and guides in various aspects of life.

Holistic Curriculum: The curriculum in a Bhartiya Gurukul focuses on a wide range of subjects, including academic disciplines, arts, sports, yoga, meditation, and character building. The goal is to provide a well-rounded education that nurtures every aspect of a student's personality.

Teacher-Student Relationship: The relationship between teachers and students is highly revered in the Bhartiya Gurukul system. The gurus are respected figures who inspire, guide, and support the students. They establish a close bond with the students and provide personalized attention to their individual needs and talents.

Experiential Learning: Bhartiya Gurukuls emphasize experiential learning rather than rote memorization. Students engage in hands-on activities, discussions, and practical experiences to deepen their understanding of concepts and develop critical thinking skills.

Value-Based Education: The Bhartiya Gurukul system places great emphasis on imparting moral values, ethics, and virtues to students. They are taught to uphold principles such as honesty, compassion, respect, and integrity, which are integrated into their daily lives.

Physical and Mental Well-being: Physical fitness and mental well-being are given equal importance in the Bhartiya Gurukul system. Students participate in regular physical activities, yoga, and meditation to maintain a healthy lifestyle and develop self-discipline.

Community and Social Responsibility: Students in Bhartiya Gurukuls are encouraged to develop a sense of community and social responsibility. They learn the importance of serving others, being environmentally conscious, and contributing positively to society.

Individualized Learning: The Bhartiya Gurukul system recognizes that each student has unique strengths and weaknesses. Teachers tailor their teaching methods to suit the learning style and pace of each student, fostering individual growth and self-confidence.

Character Development: Character development is a key aspect of the Bhartiya Gurukul system. Students are encouraged to cultivate virtues like humility, perseverance, self-discipline, and empathy, which play a vital role in shaping their overall personality.

Lifelong Learning: The Bhartiya Gurukul education system instills a love for learning and a thirst for knowledge in students. It aims to create lifelong learners who are curious, adaptable, and open-minded, prepared to face the challenges of the ever-evolving world. Overall, the Bhartiya Gurukul education system focuses on the holistic development of students, nurturing their intellectual, physical, emotional, and spiritual dimensions. It provides a well-rounded education that not only equips them with academic knowledge.

Keywords: Traditional Indian Education, Gurukul Structure, Individualized Learning, Personalized Attention, Well-rounded Education.

"Education is the best friend.
An educated person is respected everywhere." - Chanakya

5
Paper ID: 6179

आधुनिक युग में पारंपरिक शिक्षा की प्रासंगिकता

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Abstract

"विद्या नाम नरस्य रूपमधिकं
प्रच्छन्नगुप्तं धनम्।
विद्या भोगकरी यश:सुखकरी
विद्या गुरूणां गुरू:।
विधा बन्धुजनो विदेश गमने
विद्या परा देवता
विद्या राजसु पूज्यते,न तु धनम्
विद्याविहीन: पशु:!!
नीतिशतकम् (सुभाषित)
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शिक्षा शब्द संस्कृत भाषा की शिक्ष् धातु में 'अ' प्रत्यय लगाने से बना है। जिसका अर्थ है सीखना और सिखाना। शिक्षा का अर्थ हुआ सीखने सिखाने की क्रिया। शिक्षा किसी समाज में सदैव चलने वाली सोद्देश्य सामाजिक क्रिया है। जिसके द्वारा मनुष्य की जन्मजात शक्तियों का विकास ज्ञान कला कौशल बुद्धि व्यवहार में उचित परिवर्तन करके अनुकूल सभ्य व सुसंस्कृत व्यक्तित्व निर्माण किया जा सकता है इसी में व्यक्ति तथा समाज दोनों निरंतर विकास कर सकते हैं। औपचारिक व अनौपचारिक दोनों माध्यमों से वैयक्तिक उत्थान संभव है। हमारे शास्त्र कहते हैं-

"माता शत्रु: पिता वैटी येन बालोन पाठित:।
न शोभते सभामध्ये हंसमध्ये बकोयथा।!"

भावार्थ- जो माता-पिता अपने बच्चों को शिक्षित नहीं करते / पढ़ाते नहीं वे बच्चों के शत्रु हैं। शिक्षा प्राप्ति किसी भी बच्चे का अधिकार तो है ही माता-पिता का एक कर्तव्य भी है।

प्राचीन शिक्षा पद्धति (गुरुकुल पद्धति) अत्यधिक प्रभावशाली रही है। औपचारिक शिक्षा मंदिर ,आश्रम, गुरुकुलों, के माध्यम से दी जाने वाली शिक्षा पद्धति में विद्यार्थी जीवन तप माना जाता था। माता-पिता से दूर लोभ- प्रलोभ से हटकर ना केवल पुस्तकीय ज्ञान बल्कि कौशल ज्ञान, प्राथमिक ज्ञान, मौलिकता, नैतिकता, उच्च शिक्षा, शास्त्र ज्ञान व शस्त्र ज्ञान सभी प्रकार की विधाएँ दी जाती थीं।आचार्यगण का हृदय तल से अभिनंदन व आदर होता था। वर्तमान समय में यदि गुरुकुल शिक्षा का प्रचार प्रसार माध्यम पुनः दोहराया जाए तो सर्वथा उचित होगा। समानता की भावना, अनुशासन का प्रचार प्रसार होता था। ऋग्वैदिक युगीन पद्धति शत प्रतिशत विद्यार्थी जीवन का चहुँमुखी विकास करने में सक्षम है। जहां लगभग 24 वर्षों तक विद्यार्थी आश्रम में निवास

करते है। प्राचीन शिक्षा पद्धति बालक के मानसिक विकास पर बल देने के साथ-साथ ज्ञानार्जन अध्यात्मिक विकास व ज्ञान पर बल देती थी। चरित्र निर्माण शिक्षा प्रमुख मानी जाती थी। जीवन के नैतिक, भौतिक, अध्यात्मिक, बौद्धिक, पहलुओं को उजागर करती थी मानव और प्रकृति के मध्य का संबंध खगोलीय ज्ञान, रासायन विज्ञान, भौतिक सबकुछ आचार्यगण द्वारा न केवल पढ़ाकर बल्कि प्रायोगिक विधि से होता था।

साधनों में वेद, ब्राह्मण, उपनिषद धर्मसूत्र आदि स्रोत हुआ करते थे। चरक, सुश्रुत, पाणिनी, आर्यभट्ट, कात्यायन, पतंजलि जैसे आचार्य हुआ करते थे।

जो तर्क, व्याकरण, गणित के सूत्र बताते थे माध्यम संस्कृत भाषा होता था। तक्षशिला विश्वविद्यालय मुख्य केंद्र रहा। हिंदू व बौद्ध दोनों का प्रमुख केंद्र बच्चे, सभ्यता, संस्कृति, राष्ट्रीय प्रगति, वैयक्तिक शिक्षा ज्ञान अर्जित करते थे।

आजकल समय की पुकार यही है कि विद्यार्थी को पारंपरिक शिक्षा अनुसार ही पढ़ाया जाए। वेद मंत्र सिखाए जाएं। जिससे उनका वातावरण, स्वास्थ्य तक भी शुद्ध हो जाए। प्राचीन शिक्षा पद्धति तथा गुरुकुल पद्धति को स्कूलों से जोड़ देना चाहिए। मैं पूर्णतया पक्ष में हूँ। मेरा निजी विचार है कि विनम्रता, सच्चाई, आत्मनिर्भरता कौशल नैतिकता, सांस्कृतिकता, सभ्यता, वेदोच्चारण, प्राकृतिक ज्ञान, यौगिक विधियाँ, सभी स्कूलों से जुड़ जानी चाहिएँ।

शिक्षा उज्ज्वल भविष्य के लिए अत्यावश्यक है वर्तमान समय में चल रहे शिक्षा के महाकुंभ में जिन उद्देश्यों को समक्ष रखा गया है जिसमें समूचा देश प्रतिभागी बन सकता है अत्यधिक चिंतन और मंथन कर शिक्षा पद्धति को पांच मुख्य बिंदुओं में समाहित किया गया स्कूली शिक्षा पद्धति को राष्ट्रीय सम्मान मिले। शिक्षा का महाकुंभ प्रत्येक वर्ष मनाया जाए जिसमें समूचा आर्यव्रत शामिल हो, गुरुकुल पद्धति का प्रचार एवं प्रसार हो। स्कूली पाठ्यक्रम कौशल युक्त हो, प्राथमिक शिक्षा तथा उच्च शिक्षा सहित एकीकृत होकर विशिष्ट शिक्षा व प्राथमिक शिक्षा दोनों पर समान रूप से बल दिया जाए।

तिथि 9 जून 2023 से 11 जून 2023 तक चलने वाले शिक्षा महाकुंभ का धरातल बिंदु N.E.P 20-20 की नई शिक्षा पद्धति व पाठ्यक्रम है। जिसे सर्वहित कारी शिक्षा समिति व्यापक स्तर पर करने जा रही है। शिक्षा की प्राचीन पद्धति गुरुकुल पद्धति सर्वांगीण विकास हेतु अग्रसर करने में पूर्णतया सक्षम है।

आधुनिक युग में पारंपरिक शिक्षा विधि पद्धति अत्यधिक प्रभावशाली व पूर्णतया प् प्रासंगिकतानुकूल सिद्ध हो सकती है। शिक्षा के इस महाकुंभ हेतु सभी विद्वजनों को प्रसन्नता अनुभव कर रही हूँ। कि इतने प्रभावशाली विषय पर मुझे अपने विचार लिखने का सुअवसर मिला। मैं हार्दिक शुभेच्छा से अभिनंदन करती हूँ।

जय हिंद। जय भारत।

Keywords: पारंपरिक शिक्षा, शिक्षा पद्धति, शिक्षा महाकुंभ, नई शिक्षा पद्धति, शिक्षा समिति

6

Paper ID: 7274

Gurukul Education System for Holistic Development

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Abstract

Education is the most effective tool you have for making a difference in the world. Maintaining proper health of students' and setting a best educational system is among top priority of every country because students will be the ones who shape future of a nation. Gurukula is a compound word made up of the two Sanskrit word's guru means a teacher and Kula means family or home. In Gurukula, Shishyas/ students were taught and educated by their guru while residing in the same home/ school as or near to the guru. Also, one of the biggest problems with modern educational system is their commercial institutional concept. Personality development, development of moral conscience and ethical training are completely absent. It devotes a very small amount of time to physical exercise and the growth of other skill sets that can help a student become a better person. The fundamental goal of Gurukula was to teach pupils in a natural setting where the shishyas may live in harmony with one another and develop their intelligence and discipline via brotherhood, humanity, love, yoga, meditation, arts, sports, and singing. All of these, aids in the development of their personalities and boosted their self-assurance, sense of discipline, intellect, and mindfulness—qualities still important in modern times to tackle the challenges of the world. The present article review's objective was to examine data that showed "why Gurukula are the best setting for encouragement of children's well-being?".

Keywords: Gurukula Education System, Holistic Development, Personality Development, Moral Conscience.

"Education is the most powerful weapon which you can use to change the world." - Mahatma Gandhi

7

Paper ID: 8577

Bhartiya Gurukul System as a Pedagogical Model in the Context of NEP 2020

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Abstract

Purpose: This research paper explores the Bhartiya Gurukul system as a pedagogical model within the context of the National Education Policy (NEP) 2020 in India. The NEP 2020 emphasizes the need for holistic and multidisciplinary education, aligning with the principles and objectives of the Gurukul system. This study aims to analyze the relevance, challenges, and potential implementation strategies of integrating the Gurukul pedagogical model into the modern education system as outlined in the NEP.

Design/methodology/approach: Through a comprehensive literature review and analysis of policy documents, this research paper examines the core principles of the Bhartiya Gurukul system and its alignment with the goals and objectives of the NEP 2020. It explores the emphasis on holistic development, the integration of values education, the promotion of experiential learning, and the personalized student-teacher relationships as key elements of the Gurukul model.

Findings: The paper discusses the potential challenges and barriers to implementing the Gurukul pedagogical model within the current education system. These challenges may include teacher training and capacity-building, infrastructure requirements, assessment methods, and ensuring equity and inclusivity. The research investigates strategies to address these challenges, such as professional development programs, policy support, resource allocation, and community engagement. By examining the Bhartiya Gurukul system within the framework of the NEP 2020, this study contributes to the understanding of how traditional pedagogical models can be reimagined and integrated into contemporary education practices. It highlights the potential benefits of adopting the Gurukul model, including fostering holistic development, promoting values-based education, and nurturing a strong student-teacher relationship.

Research limitations/implications: The research implications of this study provide recommendations for policymakers, educators, and stakeholders involved in the implementation of the NEP 2020. It suggests ways to incorporate elements of the Gurukul model into teacher training programs, curriculum design, assessment frameworks, and educational policies. The study emphasizes the importance of contextual adaptation and collaboration among stakeholders to successfully integrate the Gurukul pedagogical model within the NEP 2020.

Originality/value: In conclusion, this research paper presents an analysis of the Bhartiya Gurukul system as a pedagogical model within the context of the NEP 2020. It explores the alignment of the Gurukul model with the goals and objectives of the policy and provides insights into the challenges and strategies for implementation. By examining the potential of traditional pedagogical models, this study contributes to the ongoing discourse on educational reform and the quest for holistic and inclusive education in India.

Keywords: Bhartiya Gurukul System, NEP 2020, Pedagogical Model, Educational Reform.

8

Paper ID: 7859

Relevance of Traditional Ayurvedic Medical System in Modern Era with Special Reference to the Role of Herbal Garden in School Education

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Abstract

Introduction: Through its centuries of knowledge, practice and principles, the ayurvedic medical system is a complete field that not only aims to prevent and treat ailments in order to promote lifespan, but also imparts knowledge on education and infrastructure. It is relevant to many other industries, but the sphere of education in particular Asana and yoga has a huge role in the physical and psychological well-being of children, and its concepts are still relevant today. While there are numerous efforts being made for green technology on a global scale, it is essential that children feel the value of plants and their growth from an early age. By establishing herbal garden in a school curriculum, students will become more conscious of the need to protect the world's rich biodiversity and in particular of the significance use of medicinal plants.

Purpose

- An overview of the advantages of developing herbal gardens in schools.
- Benefits of Good Cultivation Practices.

Methodology: Data of literature & research studies will be collected through various articles, journals, research papers, thesis, books, texts, research reports etc.

Findings: Findings compiled and will be discussed, analyzed at the time of presentation.

Keywords: Traditional, Ayurvedic Medical System, Good Cultivation Practices, Physical Well-being.

"Ayurveda is the science of life and the art of living."
- Charaka

9

Paper ID: 8639

Bhartiya Gurukul Education System for Holistic Development of a Student

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Abstract

India is widely acclaimed as Vishv Guru. But the present Indian education system is no more than rat race. Lord Macaulay's Education system was introduced to supply clerks, military forces and workmen for the industry to foster British rule at that time. Now it paves path for supply of Youth in America, Canada and Australia. This system is based on materialistic pressure of marks ranks and competition and students become an easy victim of depression. Yet time and again, Indians have continued to influence the world with there is a rich legacy of knowledge and Indianness that attracts foreigners. The reason behind this attraction is the solid background of Gurukul Education System Rishihoood and Guru-Shishya Parampara. Guru is a person who dispels the darkness of ignorance with the light of knowledge. The aura of Gurukul remained charge with the sacred disciplined life style of Gurus and his spiritual energy got transferred to his students. Students usually sought alms and whole society bore the financial burden of their education. Lecture method group discussion, debate and self-learning are the some of the methodologies which make students physically fit and mentally balanced. Individuals and responsible citizens. Present education system encourages cramming and bookish knowledge. Countries like Finland and Belgium have already adopted Gurukul Education system which imparts value-based education. Since 'Old is Gold', therefore let us turn to our past for better future.

Keywords: Bhartiya Gurukul, Education System, Holistic Development, Lord Macaulay, Guru-Shishya Parampara.

"The true purpose of education is to make minds, not careers."
- Dr. A. P. J. Abdul Kalam

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Paper ID: 9951

Bhartiya Gurukul System for Holistic Development of a Student

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Abstract

The Gurukul system makes its significant contribution to the all-round development of the student. In this system, attention was paid to each and every element of the student and he was prepared for the future. Some people have the illusion that through the Gurukul system only knowledge of religious texts or Sanskrit language was imparted. But the truth is that under the Gurukul system, emphasis was laid on the all-round development of the students. Like today, the Gurukul system also functioned according to its own time table. The only difference is that in today's school system, study is only for 6 hours. But in the ancient Gurukul system, the study used to go on continuously day and night. In this system, like today, various subjects like Ethics, Medicine, Chemistry, Astronomy, Space and Astrology, Vedas, Puranas, Arms Operations etc. were taught through Sanskrit language and explained by practical method. Just like today, the student used to start his study work by choosing any subject according to his wish from the above mentioned subjects. During education, students lived with their teacher in Gurukul, which gave them an opportunity to study as well as imbibe education in their lives. Together they used to do their daily tasks in an orderly manner by themselves, due to which they became dedicated and self-reliant. Yoga and meditation process was compulsorily done in Gurukul, so that the students used to study education by keeping their body healthy and their mind concentrated. In Gurukul, students were taught to respect their parents, teachers and love their country. But in today's environment, education has become the only means of how to earn money. In which things like moral values, utility of health, love of country, obedience to parents and teachers, etc. have become extinct. Therefore, if we want the all-round development of the student, then for that we should follow the Gurukul system, because Lord Macaulay's education system was created to meet the need of employees to run the British rule smoothly. Today it is not required but even today our education system teaches us to be an employee. Whereas in our Gurukul system, the purpose of education was self-welfare as well as welfare of all the people. Today's education system has remained limited to its welfare only. In an effort to earn money, today's man is not able to take care of his health, let alone his family, due to which, after suffering from many diseases, he would have spent the money he earned in the treatment of diseases caused by himself. which we will be able to create honest doctors, engineers, politicians etc. in our country who are honest and love the country, free from corruption and misconduct.

Keywords: Gurukul System, Sanskrit, Ethics, Yoga, Meditation, Moral Values, Self-Reliance.

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Paper ID: 4419

Bhartiya Gurukul Education System for Holistic Development of a Student

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Abstract

The Bhartiya Education Gurukul System, deeply rooted in our ancient heritage, holds immense significance in nurturing the holistic development of students. This research paper aims to shed light on the deficiencies of the Macaulay education system and the destructive impact of the Mughal Empire on our Indian heritage. Furthermore, it explores how the integration of the Gurukul system, the Panchkosha Philosophy in education, and the National Education Policy (NEP) 2020 can elevate the intellectual and spiritual capacities of our students. During the British Raj, the Macaulay education system was introduced with the intention of stripping us of our own identity and culture. It marginalized our ancient wisdom and focused solely on producing a workforce tailored for the colonial masters. Simultaneously, the foreign invaders ravaged our rich Indian heritage, resulting in the destruction of esteemed ancient Indian universities. However, amidst this darkness, the Bhartiya Education Gurukul System emerges as a guiding light. This system places paramount importance on the holistic development of a student's mind, body, and spirit, establishing a personal bond between the teacher and the student, and fostering an environment conducive to experiential learning and interaction. The Panchkosha Philosophy, which forms the foundation of the Gurukul system, recognizes the five dimensions of human existence and endeavors to cultivate each dimension through education. By amalgamating knowledge with practical skills, emotional intelligence, critical thinking, and ethical values, this philosophy ensures the comprehensive growth of students. Similarly, the NEP 2020 aligns with the principles of the Gurukul system, striving to shift the educational focus from rote learning to holistic development. It advocates for critical thinking, problem-solving, and experiential learning, while seamlessly blending traditional wisdom with modern technology. Moreover, it places utmost importance on the emotional well-being of students, fostering traits such as empathy, compassion, and resilience. While the modern education system boasts technological advancements, it often falls short in nurturing creativity, critical thinking, and problem-solving skills. In contrast, the Gurukul system, through its personalized approach, excelled in cultivating these essential skills and promoting intellectual growth among students. In conclusion, the Bhartiya Education Gurukul System possesses tremendous potential to foster the holistic development of students' mind, body, and spirit. By integrating the key elements of the Gurukul system, such as the Panchkosha Philosophy, and embracing the principles outlined in the NEP 2020, we can unlock the of our students.

Keywords: NEP 2020, Panchkosha Philosophy, Experiential Learning, Emotional Well-being, Creativity.

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Paper ID: 899

Health and Wellness Interlaced in the Bhagavad Gita

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Abstract

Health and wellness are crucial ingredients towards happy living. In the absence of these two elements, life certainly comes to a standstill and one feels annoyed, dejected and lonely. Life, after all, is given to all of us only once so why not enjoy it to the fullest when given a chance by following these simple yet interesting tricks? One must remain tension free by surrendering all his worries, tensions and anxieties in the Lotus feet of Lord Krishna make it a habit to do small acts of kindness on daily basis. Moreover, do take out 'me time' every day even if it is for just 10 minutes but do take out as it helps to balance everything, try to help someone so that it brings a smile to that person's face: it cost nothing just a little initiative from your side will change the entire picture on the other side. Last but not the least, never ever forget to pay gratitude to Lord for all that you have. In addition to this, always count your blessings and never ever lose your smile by worrying about the future and thinking about the past. Infact, over thinking makes the life of an individual a real mess from where it is difficult to come out. The sole aim of this research paper is to help an individual stay healthy, fit and fine by imbibing some of the paramount principles from the Holy Scripture the Bhagavad Gita. There is no doubt, in saying that The Bhagavad Gita is a complete book in itself which act as a guiding light, mentor and hand book for the solution to every problem that is encountered in the life of an individual.

Keywords: Crucial, Ingredients, Initiative, Mentor, Principles, Surrendering.

"You have the right to perform your prescribed duties,
but you are not entitled to the fruits of your actions." - Bhagavad Gita

Skill, Start-up and Entrepreneurship in Education

Session Chairs

Dr. Manoj Kumar, Vice Chancellor, DAV University, Jalandhar
Dr. Ravinder Thakur, Assistant Professor, NIT Jalandhar
Dr. Sanjeev Naval, Principal, DAV School Jalandhar
Dr. Ekta, Principal, RR Bhaba DAV Batala

1

Paper ID: 184

Induction of Startup Culture at School Level

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Abstract

The cultivation of a startup culture at the school level holds immense potential in shaping future generations to become innovative thinkers and fostering an entrepreneurial mindset. This abstract explores the significance of introducing startup culture within educational institutions and its impact on students' development.

In recent years, the startup ecosystem has witnessed remarkable growth and has become synonymous with innovation, adaptability, and risk-taking. Recognizing the need to prepare students for the rapidly evolving global landscape, schools are now embracing the concept of startup culture as a means to empower young minds and cultivate key entrepreneurial skills.The induction of startup culture at the school level involves creating an environment that encourages creativity, critical thinking, problem-solving, and collaboration. It entails providing students with opportunities to develop their ideas, experiment, and learn from failure. By fostering an entrepreneurial mindset, schools aim to equip students with the skills and mindset necessary to thrive in the modern world, whether as future entrepreneurs, entrepreneurs, or innovators within established organizations.

The benefits of introducing startup culture in schools are multifold. Firstly, it encourages students to think beyond traditional career paths and empowers them to explore their own ideas and passions. By nurturing their entrepreneurial spirit, students become more self-reliant and develop a proactive approach to problem-solving. They learn to identify opportunities, assess risks, and take calculated steps towards realizing their goals.

Moreover, startup culture at the school level promotes interdisciplinary learning, as students are encouraged to collaborate across various fields to tackle real-world challenges. This fosters a holistic understanding of complex problems and nurtures skills such as communication, teamwork, and adaptability. Students also gain exposure to practical aspects of entrepreneurship, including market research, prototyping, pitching, and securing funding, which can be invaluable in their future endeavors.

Additionally, the induction of startup culture can bridge the gap between theoretical knowledge and its practical application. By engaging students in hands-on projects and experiential learning, schools provide a platform for them to apply their classroom knowledge in real-world contexts. This bridges the gap between academia and industry, preparing students for the demands of the ever-evolving job market.

While the induction of startup culture at the school level presents numerous opportunities, it also comes with its own set of challenges. Schools need to ensure access to necessary resources, mentorship programs, and industry partnerships to support students' entrepreneurial journeys effectively. Furthermore, it is crucial to create a supportive and inclusive environment that fosters

diversity and celebrates failure as a learning opportunity.

In conclusion, the induction of startup culture at the school level has the potential to revolutionize education by instilling an entrepreneurial mindset.

Keywords: Startup Culture, Innovation, Entrepreneurial Mindset, Experiential Learning, Mentorship Programs, Industry Partnerships, Inclusive Environment, Entrepreneurial Spirit, Future Entrepreneurs.

"The future belongs to those who believe in the beauty of their dreams."
- Jawaharlal Nehru

2

Paper ID: 6675

Induction of Startup Culture on School Level

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Abstract

Purpose: Startup culture has gained immense popularity in recent years, with numerous successful startups emerging worldwide. However, there is no change in school curriculum and conventional education system to introduce startups for school students. The importance of startup culture for students and how can there be change in their skills by inducing startup culture on school level is proposed.

Design/Methodology/Approach: The methodology proposed in this work involves the study of students' problems in traditional classroom model and different aspects of Indian education that made students job oriented but not business oriented. The approach also explains briefly that how inducing startup culture on school level will make a completely change in students' skills required in 21st century.

Findings: In this work, we came to know that how the school curriculum, mentors and startup society can make a huge change in students' skills. The economy of country can reach its heights by changing the education system. By bringing entrepreneurial spirit in students show growth in their skills and that will help them in their different career paths and these skills can help both in personal and professional life of an individual .The startup culture taught students to think out of box and come up with innovative ideas and to don't be afraid of failures.

Research limitations/Implications: The proposed approach does not done research based on real time experiments on students and schools. The difficulties faced by government and schools in inducing this culture are also not being proposed.

Originality/Value: The proposed work is highly original in its methodology by addressing the challenges of students in traditional classroom model. How the introduction of startup culture on school level can bring a instant growth in economy and make improvement in students' cognitive, analytical, collaboration, communication, negotiation, risk taking and creative skills and the concept of inducing this culture by changing school curriculum, providing resources, project based learning, embracing technology, creating clubs to organizing camps and competitions is being suggested which shows the work's originality in a better way.

Keywords: Startup Culture, Traditional Classroom Model, Cognitive Skills, Economy of Country, Entrepreneurial Spirit

3

Paper ID: 8883

Induction of Startup Culture on School Level - Promoting Entrepreneurship and Innovation in Education

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Abstract

Purpose: This paper aims to explore the potential benefits and strategies for inducing a startup culture within the school environment. By fostering entrepreneurship and innovation at an early stage, schools can equip students with essential skills and mindsets needed for the future job market. This paper discusses the importance of startup culture in education, highlights the benefits for students, and proposes practical approaches for schools to integrate entrepreneurial practices into their curriculum and extracurricular activities.

Design/methodology/approach: This paper explores implementation strategies aimed at fostering entrepreneurship and innovation in educational settings. It highlights the importance of embedding entrepreneurship in the curriculum, establishing incubation and maker spaces, partnering with local businesses and startups, organizing entrepreneurship competitions and events, and implementing evaluation and continuous improvement measures. These strategies are designed to engage students, foster creativity and critical thinking, facilitate collaboration, and develop entrepreneurial skills.

Findings: This paper presents the key findings of implementing startup culture initiatives in schools. The findings highlight the benefits of inducing a startup culture, including the development of an entrepreneurial mindset, enhanced creativity and problem-solving abilities, improved collaboration and teamwork skills, and bridging the gap between education and the real world. The paper also explores the impact of startup culture on student engagement and motivation, emphasizing the positive outcomes observed in terms of student enthusiasm and active participation in entrepreneurial activities.

Research limitations/implications: The research limitations include challenges related to resistance from traditional educational systems, lack of resources and funding, limited access to entrepreneurial networks and mentors, and potential biases in evaluating the impact of startup culture on student outcomes. Moreover, the implications of introducing startup culture in schools encompass the need for equitable access to entrepreneurial opportunities, addressing the diversity gap in entrepreneurship, and ensuring inclusivity for students from various backgrounds.

Originality/value: The originality lies in the creation of a dynamic learning environment that nurtures students' entrepreneurial mindset, fosters creativity and problem-solving abilities, promotes collaboration and teamwork, and cultivates essential life skills. Furthermore, the value of inducing startup culture in schools is evident in the transformative impact it has on students' personal and professional development, preparing them for future success in a rapidly changing global economy.

Keywords: Startup Culture, Entrepreneurship Education, Innovation, Entrepreneurial Mindset, Creativity, Problem-solving.

4

Paper ID: 314

One Hour Compulsory Work per Day for a Student in School can bring Revolution in Shaping the Skill India Mission

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Abstract

Implementing a one-hour compulsory work per day for students in school can revolutionize the Skill India Mission by promoting skill development, experiential learning, and practical knowledge acquisition. This approach aims to bridge the gap between theory and practice, enhance employability skills, foster an entrepreneurial mindset, provide vocational training, develop a strong work ethic, and encourage career exploration. By incorporating hands-on activities and real-world applications into the curriculum, students can acquire practical expertise, critical thinking abilities, and problem-solving skills necessary for success in the workforce. This initiative aligns with the broader goals of the Skill India Mission, empowering students to become skilled, innovative, and job-ready individuals who contribute to India's economic growth and development.

Keywords: Skill India Mission, Vocational Training, Employability Skills, Career Exploration.

"Start where you are. Use what you have. Do what you can."
- Arthur Ashe

5

Paper ID: 430

Life Skills among Secondary School Students of Chandigarh

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Abstract

Life skills have been defined by WHO (1987) as "the abilities for adaptive and positive behavior that enable an individual to deal effectively with the demands and challenges of everyday life." In everyday life, the development of life skills helps students to: Find new ways of thinking and problem solving. The life skills help to adolescents to gain new ways of learning as well as control over their behavior and to take informed decision that can lead to positive values. The aim of the present study is to know the life skills among secondary school students. The sample of this study was selected at random, containing a poll of 200 students studying in government and private schools of Chandigarh. Life skill Scale – Developed by Dr. Chandra Kumari and Ayushi Tripathi was used for the collection of data in the present study. The data were analyzed by employing mean, SD and 't- test. After data analysis this study found that there was significant difference between male and female students on level of life skills. There also exists significant difference in life skills of government and private secondary school students.

Keywords: Life Skills, Secondary School Students, Data Analysis.

"Innovation is the specific instrument of entrepreneurship."
- Peter Drucker

Integration of Higher Educational Institutions with Elementary Education

Session Chairs

Dr. Jatinder Garg, Associate Professor, BHSBIET, Lehragaga
Dr. Nitya, Controller of Examination, PTU Jalandhar
Dr. Gaurav Bhargav, Professor, PTU Jalandhar
Dr. Rajesh, Principal, DAV College Jalandhar
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1

Paper ID: 684

Use of Hindi and Regional Language in Technical Education

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Abstract

The use of language in technical education plays a vital role in ensuring effective communication and knowledge dissemination among students and educators. While English has traditionally been the dominant language in technical education, there is a growing recognition of the importance of incorporating Hindi and regional languages into the curriculum. This research paper aims to examine the role and impact of Hindi and regional languages in technical education, focusing on their benefits, challenges, and potential implications for students, educators, and the industry.

The paper begins by highlighting the significance of language in technical education and the existing dominance of English. It then explores the potential advantages of incorporating Hindi and regional languages, such as increased comprehension, improved learning outcomes, enhanced engagement, and cultural inclusivity. Furthermore, the paper discusses the impact of language on students' confidence, motivation, and overall academic performance.

To provide a comprehensive analysis, the paper also addresses the challenges associated with integrating Hindi and regional languages into technical education. These challenges include the availability of quality learning resources, standardization of terminology, faculty training, and the need to balance language diversity with global industry demands. The paper also examines the potential implications for the industry, including the development of a skilled workforce with multilingual capabilities and improved regional representation in technical fields.

The research methodology involves a combination of qualitative and quantitative approaches, including surveys, interviews, and case studies. These methods are used to gather data from students, educators, industry professionals, and policymakers to assess their perspectives on the use of Hindi and regional languages in technical education.

The findings of this research contribute to the existing body of knowledge on language and technical education by shedding light on the benefits, challenges, and potential implications of incorporating Hindi and regional languages. The paper concludes with recommendations for policymakers, educational institutions, and industry stakeholders to support the effective integration of Hindi and regional languages into technical education, fostering a more inclusive and accessible learning environment for students across diverse linguistic backgrounds.

Keywords: Technical Education, Language in Education, Regional Languages, Multilingual Education.

2

Paper ID: 3489

Use of Hindi and Regional Languages in Technical Education

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Abstract

At present, we are dependent for both techniques & words on western education system. West is continuously innovating new words for new life style and we have no option other than adopting their dictionary. There may be numerous factors responsible for this breakdown which included indifferent political sector earlier which was sloth, unperceptive as well as deceit. We need to respect day to day inventions through new words. We need to give it depth and respect to technique and so techniques can spread on wings of words and good promotion. At last I will say, inventing new techniques and new words hand in hand will make us victorious.

Keywords: Education System, Western Education, Vocabulary, Inventions.

"Hindi and regional languages enrich our cultural diversity."
- Atal Bihari Vajpayee

Miscellaneous

Session Chairs

Dr. Gaurav Sharma, Project Scientist, IIT Delhi
Ms. Aabha Naagar, Advocate, Jalandhar

1

Paper ID: 421

Nuclear Fusion - A Step towards Sustainability

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Abstract

Purpose: The purpose of this paper is to layout important aspects about nuclear fusion highlighting its utilization in the energy production process. Around the world today, we are heading towards the progress at the sake of the environment which is greatly impacting our planet. Moreover by finishing the natural resources and making the environment difficult to survive, we are leaving our young generation empty handed. So, there is an urgent need to switch to alternate sources such as nuclear fusion which will fulfil our needs without compromising with the environment i.e., sustainable development.

Design/methodology/approach: Nuclear fusion occurs naturally in our sun and stars. In the present article we have employed semiclassical techniques for the evaluation of nuclear level densities of several nuclei. Using different projectile-target combinations at different incident energies, we calculate the nuclear fusion cross-sections. The nuclear cross-sections are evaluated using PACE4 nuclear reaction model code by deploying the nuclear level density parameter as input.

Findings: The nuclear fusion cross-sections calculated are in good agreement with the experimental results for Sn100 region. We hope that such theoretical investigations can prove very useful for the experiments in exotic region.

Research limitations/implications: This paper is a small step towards discussion of nuclear fusion in sustainable development. More investigations are needed both experimentally and theoretically to realize its full potential in the energy production.

Originality/value: The proposed work is highly original in its approach in addressing the needs of sustainable development in energy production through nuclear fusion. We have utilized semiclassical level density parameter in nuclear fusion cross-sections, this is a completely new approach.

Keywords: Nuclear Cross-Sections, Semi-classical Techniques, Level Densities, PACE4, Theoretical Investigations.

"Nuclear fusion is the energy of the future."
- Homi Bhabha

2

Paper ID: 536

Development of Biodegradable Molded Sheets of Deoiled Rice Bran (DRB) through Extrusion Technique

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Abstract

Today's primary owners are searching for environmentally friendly solutions that may differentiate them from the competition while also being cost- effective and production-effective. It is necessary to build biodegradable, environmentally friendly, medium water-resistant composite from protein-based by-products of grain processing for agricultural planting applications in an effort to move away from ecologically harmful plastics and other polymers. After oil has been extracted from rice bran using a solvent extraction process, the resulting deoiled rice bran (DRB) is a good source of protein (18–23%). The current research is a step towards creating deoiled rice bran (DRB)-based material that is both environmentally friendly and moderately water-resistant. Utilizing a twin-screw extruder and hydraulic press molding machine, molded sheets were created using a combination of sawdust, deoiled rice bran (used as a polymer), and different concentrations of glycerol (used as a plasticizer). Because of its better texture, medium water resistance capacity, and eco-friendliness, the most significant combination was found to be more superior at G/P ratio 0.4 to others (0, 0.3, 0.6, and 0.7). It also totally deteriorated in 45 days after being planted in the soil. In the future, moldable sheets made of this biodegradable material could be utilized as planting containers in agriculture.

Keywords: Biodegradable Molded Sheets, Extrusion Technique, Water-resistant Composite, Grain Processing, Agricultural Applications.

"Waste not, want not." - Mahatma Gandhi

3

Paper ID: 984

Role of ICT in Global Education System

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Abstract

Being tech-savvy is essential in today's world. Technology development and advancement depend heavily on information and communication technology. It has an impact on every aspect of human life. It brings about change on the social, economic, political, and educational levels by connecting the entire world. Only the strongest will live on this changing planet, and talents are essential to human survival. These abilities can only be learned through receiving a top-notch education. ICT revolutionized the educational field by modifying practices and procedures. In order to develop synergy between teaching-learning pedagogy and curriculum, this research article aims to determine the function of the most recent ICT trends in the international education system. It also discusses the newest ICT-related educational trends, such as blended, hybrid, collaborative, creative, and integrated learning. It also examines the various benefits and drawbacks of evolving technology on the educational system from a global perspective. On the one hand, it acts as a boon by enhancing flexibility, making material easily accessible, and eliminating distance barriers, but on the other, it is a curse that results in destructive classrooms, a lack of face-to-face interaction, a decline in literacy rates, and an increase in youth engagement among other wrongdoings rather than focusing on the value of education.

Keywords: ICT, Global Education System, Blended Learning, Collaborative Learning, Integrated Learning, Distance Barriers.

"Information technology and business are becoming inextricably interwoven." - Bill Gates

4

Paper ID: 836

Waste Wise Schools for Sustainable Development in India

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Abstract

Sustainable development is considered as a "fluid concept" (IISD, 2010, p. 6) as it has been interpreted in multiple ways. Most interpretations of the term can be classified as either "technological" or "ecological" (Orr, 1992). The technological approach emphases on reducing the adverse impact on the environment through technological advancements and new legal rules and regulations, while following the same socio-economic growth trajectory. This technological approach is top-down in nature, as it is driven by experts in the fields of science, technology and law, instead of local community. The ecological approach, on the other hand, is bottom-up in nature, as it argues for social transformation by incorporating both expert driven science and technology-based knowledge as well as the efforts of common citizen. Ecological approach thus requires, collaborative efforts of both experts and people of the community. Presently, the technological approach is more widely accepted and valued, but there is dire need to shift our attention to the ecological approach which often goes unrecognized and underappreciated. To promote this United Nations dedicated a decade for Education for Sustainable Development (ESD), famously called DESD 2005-2014, which required "the concerns about sustainable development to be inculcated through education" and the efforts continue with the commitment of the nation's towards "Global Action Programme" on ESD (UNESCO, 2005). This paper presents one such model of a Green School, empowering young people to take responsible action to reduce, reuse and recycle waste with the overall long-term goal to be a zero-waste school. The researcher studied manuals, case studies, reports, and guides of fifteen green schools or eco-schools or sustainable schools from around the world, and primary data was collected from the five Jawahar Navodaya Vidyalaya of Delhi NCR using the tools developed by the researcher. The qualitative data collected from both secondary as well as primary sources were analyzed based on the principles of framework analysis to identify the best strategies for managing waste in schools. Further using the 'Whole School Approach', a thematic framework was prepared, and indexing was done using colour coding. Results present a model of a green school, engaging all stakeholders, in every aspect of school life, namely Governance, Teaching and Learning, Community Partnerships & Facilities and Operations, to effectively manage waste in school.

Keywords: Ecological Approach, Environmental Education, Zero-Waste School, ESD, UNESCO.

"Sustainability is no longer about doing less harm. It's about doing more good." - Jochen Zeitz

5

Paper ID: 845

Load Frequency Control for Two-Area Deregulated Power System

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Abstract

Due to the reduction in resources and increasing load demand, it is of utmost importance to control power generation. The reliable operations of energy system are constantly exposed to serious threats as the demand for generator loads increases. The independent turbine system, generator, and load frequency control (LFC) or automatic generation control (AGC) system are used to perform the job of automatic regulation of frequency. Following parameters are needed to be controlled for the operation of a damaged and undamaged generator: Firstly, the frequency must be kept constant, and secondly, the power of the tie bar that falls within the specified limits. To retain a balance between load demand and power generation for specific energy system is the most important function of power generation. A comparative study of system frequency using Proportional Integral Differential (PID) control is being put forward, and the model is simulated in the MATLAB environment. This paper focuses on analyzing the two-area power system, and proposes the design of the automatic load frequency control system using PID control.

Keywords: Frequency Control, Power System, Automatic Generation Control (AGC), Turbine, Control, Matlab.

"Power should be harnessed efficiently for the benefit of all."
- B.R. Ambedkar

6

Paper ID: 984

India as a 10 Trillion-Dollar Economy By 2030: Is it a Dream or a Reality?

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Abstract

Atal Tinkering Lab (ATL) is a flagship initiative of Atal innovation Mission (AIM) 2016, Government of India to nurture innovations and entrepreneurship amongst young innovators. At present, 10,000 operational ATLs have been established spanning 722 districts engaging almost 75 Lakh students. The success of this programme can be analyzed from the fact that approximately 60,000 registered start-ups and around 90 plus unicorns innovations along with 12 Lakh projects have been created for last five years. These statistical analyses highly endorse the importance of ATL labs in achieving the goal of India becoming a USD 10 trillion economy by 2030; however, a lot of things need to be explored with serious efforts and approaches by the schools.

Keywords: ATL, 10 Trillion-Dollar Economy, Government Initiatives.

"Dream, dream, dream. Dreams transform into thoughts and thoughts result in action." - Dr. A. P. J. Abdul Kalam

7

Paper ID: 1094

Attitude of Pre-Service Teachers of B.Ed.: Regarding Digital Literacy in Teacher Education Programme in NEP 2020

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Abstract

Purpose: New Education Policy was launched in July 2020 with the mission to digitalize the Education System of India to enhance learning, efficacy in evaluation, planning and management at school and higher education level. Relationship in technology and education will helpful to bring progress in teaching learning process and outcomes. Digital knowledge of teachers can change the whole nation into digitally empowered people with the belief 'to modify the mode we live and alter the approach we teach students'. In this research, researchers will study about attitude of Pre service teachers of B.Ed. from Lingaya's Vidyapeeth towards digital literacy in teacher education programme through NEP 2020

Design/Methodology: This research study is qualitative and quantitative in nature. Opinionnaire with YES and NO options was developed for B.Ed. first year and second year trainees. Different dimensions from digital knowledge were included in this study. Percentage technique will be adopted for analysis and interpretation of data.

Keywords: Digital Literacy, Planning, Management, Digital Knowledge, Research Limitations.

"Digital literacy is the new literacy."
- Meegan Kennedy

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Paper ID: 1336

Green Technology

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Abstract

Since the invention of the wheel kicked off the Industrial Revolution, our planet has suffered rapid changes in climate that include increasingly severe droughts, increased depletion of groundwater reserves, seawater acidification, rising seawater levels, the rapid spread of diseases and micro parasites, and the extinction of species. Unless we intervene, these changes may prove irreversible. Natural resources or reservoirs are limited and because of world population and pollutions are creating scarcity of these resources. Green technology offers us the best hope to counteract the effects of climate change and pollution. Why? The world has a fixed amount of natural resources, some of which have already been depleted or ruined. It is a technology which is environmental friendly; develop in such a way that it does not disturb our environment and conserve natural resources. What is Green Technology: - In this system we use innovative methods to produce environmental products. It uses renewable natural resources that never depletes, so future generation can also benefit from it. It can effectively change waste pattern and production in a way that it won't harm the planet. Goal of Green Technology: - Green technology is the ultimate solution to conserving wildlife, reducing global warming, and lowering carbon emissions. Its concept is based on five pillars described in subsequent sections.

Reduction Greentech has enabled companies to crush the growing toxicity of hazardous gases by developing eco-scooters and electric cars. Moreover, eco-electric scooter ridesharing services strive to reduce their environmental impact from manufacturing to recharging the scooters. So, we would have to reduce the use of fuels, energy consumption and wastage of water.

Recycling Greentech has introduced recycling programs that will prevent the further depletion of natural resources and will enable the recycling of paper, glass, and plastic materials to be used again.

Reusing Single-use plastic is the most prominent source of pollution in the ocean, harming wildlife deadly. Wildlife is suffering a lot due to harmful human activities, climate change, and natural calamities. Further, thousands of ocean mammals and their habitats are killed after getting entangled in plastic products. With the use of Greentech, researchers and marine institutions are educating people and students about wildlife conservation. Greentech contributes to wildlife conservation while staying current with changing needs.

Renewing According to a report in 2019, 84% of the world's population is still dependent on fossil fuels despite the shift toward renewable energy sources. The world has started suffocating due to the poor outcomes of pollution that we have created. If we adopt Greentech actively, we can save our environment from adverse impacts. Greentech offers a range of solutions to stop depleting fossil fuels including metallic foams, sustainable buildings, thermal energy collectors, lithium-air batteries, and eco-friendly battery technology. For example, wind energy, water energy, solar energy, biofuel etc.

Responsibility Greentech encourages a variety of activities that share a sense of responsibility among

people. Considering that over 9 million people die each year due to pollution, the need for clean technology is evident. Citizens share responsibility for a more sustainable future through slogans such as "Don't waste electricity", "Don't waste fuel" and "Don't waste water." If people try to hold themselves accountable for their activities, reduce domestic waste, and try to promote green initiatives, we will get much closer to a healthy environment.

Keywords: Green Technology, Eco-scooters, Wildlife Conservation, Clean Technology, Eco-friendly Battery Technology.

"Green technology is the key to a sustainable future."
- Dr. R. A. Mashelkar

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Paper ID: 1448

Mother Tongue and Early Childhood Education

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Abstract

Every nation has its own language, customs and life style. A person's mother tongue is the language with which they are most familiar, and it is thus the optimum language for communication. Early childhood education is the base for the child physical and mental development. It provides foundation for the children age up to Eight years. This paper examines the relevance of mother tongue in early childhood education. This paper focuses on the significant contribution of mother tongue in the process of cognitive development. It also emphasis the challenges faced by mother tongue in learning process. Language policy must consider mother-tongue learning in order to improve educational quality.

Keywords: Mother Tongue, Early Childhood Education, Challenges.

"Mother tongue is the window to a child's soul."
- C.P. Snow

10

Paper ID: 1506

A Novel Approach for the Motor and Cognitive Rehabilitation for Slow Learners: Multiple Intelligence - An Opinion

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Abstract

Intelligence is the basic construct of the human brain controlling and processing various day-to-day physical and physiological activities. Every human possesses a different mind and a different set of features framing his intelligence. This is the base of Howard Gardener's Theory of Multiple Intelligences, which talks about uniqueness and coherence in the identification and utilization of each type of intelligence in a particular individual. The theory of multiple intelligences has laid the fact that the intelligence possessed by each person is a sum of some specific cognitive abilities that may be very peculiar to the primary type of intelligence they might possess. Although the presence of more than one type of intelligence is also not nullified by the psychologist. Human intelligence was classified into the following eight categories, namely Lingual, Logical-Mathematical, Musical, Kinaesthetic, Spatial, Interpersonal, Intrapersonal, and Naturalist. Each of the intelligence types has been used collectively and differentially in education and psychology extensively. Although the use of multiple intelligence theory has not been done on the patient population for rehabilitation, it can be very effectively adapted for the same, considering the strategically use of all the intelligence according to the response required from the patient population.

Keywords: Howard Gardner, Intelligence, Education.

"Every child is a different kind of flower, and all together make this world a beautiful garden." - Anonymous

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Paper ID: 1640

Relevance of Education for Sustainable Development (ESD) in the Education Sector

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Abstract

Due to the excessive misuse of nature, one of the most talked-about topics today is sustainable development (SD), which is becoming more and more important. The "Education for Sustainable Development" (ESD) concept was born out of this concern. The need to protect and conserve our environment and natural resources immediately. In order to create a sustainable society that integrates the environmental, economic, and social spheres, the idea of education for sustainable development unites many nations and the entire world. The present study is a conceptual study of "Education for Sustainable Development". In this study, we will discuss in detail the concept of ESD (Education for Sustainable Development) and its relevance in Education with the help of examples in depth.

Keywords: Sustainable Development, Environment Conservation, Sustainable Society.

"Sustainable development is the pathway to the future we want for all." - Ban Ki-moon

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Paper ID: 1977

A Study on Indian Mathematicians and Their Contributions in the Development of Mathematics

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Abstract

Indian mathematics is the discipline of mathematics as it developed in the Indian subcontinent. Mathematics developed in India from very ancient period until the end of the 18th century. Sanskrit, the classical language of India and the chief medium for its pre-modern mathematical texts, maintained a strictly oral literary tradition for many centuries. India's extremely talented and famous mathematicians have raised the country's pride. From literature and science to art and theatre, India has been a pioneer in every sphere. Worldwide, the study of mathematics continues to be of utmost importance. Mantras from the early Vedic period invoke powers of ten from a hundred all the way up to a trillion, and provide evidence of the use of arithmetic operations such as addition, subtraction, multiplication, fractions, squares, cubes and roots. Indian Mathematicians invented the number system, concept of zero, algebra, and geometry, algorithmic approach to mathematical problems which were translated by Arabic scholars and later adopted by Western scholars. Some ancient mathematicians had posed graph theory problems (rudrata path). Sanskrit grammar can be modeled as automata and is the most computer friendly language. Aryabhata (476 AD–550 AD) was an Indian mathematician and astronomer of the classical age of Indian Mathematics and Indian Astronomy. His work on pure mathematics covers subjects like finding the square and cube roots, geometrical figures and their properties, arithmetic progression problems on the shadow of the gnomon, quadratic equations, linear equations, and indeterminate equations. Brahmagupta (–668 AD), a famous mathematician and astronomer was the first to give rules for computing with zero. Bhāskara II (c.1114–1185) works represent a significant contribution to mathematical and astronomical knowledge in the 12th century. Mathematician Srinivasa Ramanujan (1887–1920) made significant contributions to mathematical analysis, number theory, infinite series, and continued fractions. In this paper Contributions of Indian Mathematicians in the Development of Mathematics is discussed.

Keywords: Indian Mathematics, Development of Mathematics, Sanskrit, Concept of Zero, Aryabhata, Brahmagupta, Bhāskara Ii, Srinivasa Ramanujan,.

"Indian mathematicians have contributed immensely to the world of mathematics." - Brahmagupta

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Paper ID: 2165

Education for a Better South Asia: Envisioning Policies for the Role of Technology and Policies for Borderless Education with India at Core

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Abstract

The current paper is an attempt to develop a sustainable non-political model of collaboration with all South Asian countries. The paper identifies as India as a standpoint in starting a dialogue for an action. The paper has explored the broad contours of a transnational education framework that arches over the South Asian region. We argue in this paper that it is time to move online in a big way so that the children from across South Asia get access to the best teachers, the best content, the best tutorials, the best practical classes, the best lectures, the best educational environment, and the best of online learning. For enabling the same, the technology which was a major constraint earlier is now transforming as natural mapping to education. Thus, the post-Covid world, which is digital comprehensive and welcoming is a golden opportunity for the South Asian nations to come together to impart better education may finally usher in peace in this deeply troubled region. The paper also proposes a model in which India can be the center for this initiative. The digital connectivity can be enhanced using Artificial Intelligence wherein the process can be hastened. The biggest beneficiary of this digital connectivity that arches over the region will be students and academics who will be able to undertake collaborative initiatives for the larger good of the people. There is wisdom that has trickled down the centuries in different parts of the region.

Keywords: Transnational Education Framework, Digital Connectivity, Artificial Intelligence, Collaboration.

"Technology can make quality education accessible to all."
- Atal Bihari Vajpayee

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Paper ID: 2192

Augmenting Techno-Pedagogical Competencies of Pre-Service Trainees for Designing E-Content through Collaborative Training Model

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Abstract

Purpose: The present research work made an effort to develop a new training model "collaborative teaching model" (CTM) for would-be teachers and teacher educators to be trained and competent enough in the present era of technology-driven teaching-learning environment along with the theoretical knowledge of the things.

Design/methodology/approach: For this researcher employed the quasi-experimental design with single group pre and post-test. Data was collected from the sample of 34 pre service trainees (M.Ed. & B.Ed. Students) by employing the single group pre-test and post-test design.

Findings: The study's findings discovered a significant difference in the overall Technological Pedagogical and Content Knowledge (TPACK) competencies in the experimental group, along with three other sub dimensions of the Technological Pedagogical and Content Knowledge (TPACK) that is technology-based instructional preparedness, technology-mediated Presentation skills and competencies, and technology-based evaluation competencies.

Research limitations/implications: The study's findings discovered a significant difference in the overall Technological Pedagogical and Content Knowledge (TPACK) competencies in the experimental group, along with three other sub dimensions of the Technological Pedagogical and Content Knowledge (TPACK) that is technology-based instructional preparedness, technology-mediated Presentation skills and competencies, and technology-based evaluation competencies.

Keywords: Technological Pedagogical and Content Knowledge, Collaborative, Competencies.

"Collaboration and training can enhance the power of technology in education." - Anonymous

15
Paper ID: 2208

A Conceptual Model: Happiness for Kids in Schools

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Abstract

It is common knowledge that being happy has many positive effects on one's life, including boosting motivation, alertness, creativity, and social connections. As a result, student happiness should be a priority in the classroom, but there is currently no established method for doing so. This research set out to propose a conceptual model for fostering joy in primary schools in different countries by analyzing existing research and literature on the topic. In this context, four broad classes were identified, physical, social-emotional, individual, and educational. The goal of this research was to provide a theoretical framework for improving student well-being in different countries' primary schools by analyzing existing research. Physical, emotional, personal, and educational elements were the four broad groups identified. It is recommended that researchers look at how widely these classifications are used in classrooms. There is also compelling evidence that the average student's satisfaction rating drops with age. The results show that kids' happiness is boosted when they look forward to coming to school, making friends easily, spending time with them, feeling secure there, and having a healthy sense of self-esteem. An important recommendation that may raise student satisfaction has been made. One of the primary priorities of many nations in recent years has been the construction of "happy schools," with the hope of providing a welcoming, secure, and positive learning environment that would inspire both educators and students to strive for greater success in the classroom and beyond. The purpose of this article is to present the notion of a "happy school," as well as to summaries the viewpoints on establishing happy schools held by international and political and cultural leaders, educational scholars, and organizations for use in the process of educational innovation.

Keywords: Happiness, Educational, Learning, Environment, Scholars.

"Happiness is the highest level of success."
- Anonymous

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Paper ID: 2248

Social Media's Impression on Interpersonal Communication in People

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Abstract

These days' social media plays an important role in the life of every individual. These social media usages is having a great impact on the life of the people as they are very popular and are providing a way more adaptive lifestyle to today's people. Social Media these days has changed the way people interact, connect, respond and socialize among themselves. Because of the presence of various social applications and websites, social media has transformed an inseparable part of life of today's society. It is giving the user a variety of platforms for networking that are delivered by developers and which gives end user a much excited feeling of belonging ness through the text, video and audio streams. Because of this the average time spent on social media or social sites have been increased drastically in the past few years as people are always much attentive to what is happening in the world of phone rather than what is happening with them. Because of that the people these days are getting lack of interest for the physical activities and become less motivated to engage in outdoor activities and less engaged in acquiring new information. This study's one and only goal is to identify the issue with interpersonal communication which can affect the quality of life and enhance social awareness. This study includes an investigation of how to identify social media's crucial influence in the way people live today. Today's generation has lost interest in engaging in new learning activities and participating in outdoor activities

Keywords: Social Media, Interpersonal Communication, Impact, Networking, Lifestyle, Social Awareness, Physical Activities, Quality of Life.

"Social media is a powerful tool for communication and connection."
- Anonymous

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Paper ID: 2303

Importance of ATLs in achieving $10 Trillion Economy by 2030

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Abstract

ATL stands for Atal Tinkering Lab (ATLs) and is an initiative which is launched by the Government of India with a vision of promoting a culture of innovation, problem-solving, and entrepreneurial skills amongst the students. The basic aim of this research paper is to discuss the point "Importance of ATL in achieving a $10 trillion economy by 2030". Analyzing the facts of innovation, creativity and entrepreneurial skills, this paper highlights the role of the labs in promoting the economy and the development of India.

Keywords: ATL, Innovation, Entrepreneurial Skills, $10 Trillion Economy, Government Initiative, Creativity, Economic Development.

"Atal Tinkering Labs are nurturing innovation for a 10 trillion dollar economy." - Narendra Modi

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Paper ID: 2305

Spectrum of Life - A Critical Review

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Abstract

The Indian culture has numerous beliefs and practices related to colors. The most familiar is the relation of different colors on each day of the week. Though, it is usually related to an association between days of week and planet colors, there is no exact theory. The practice however seems to stand on a subterranean concept of dependence of human health on colors of planetary radiations if we correlate it to other color related traditions and theories which consider color as a form of energy affecting human health and behavior. Some recent experimental investigations also offer similar observations. The present work attempts to conjoin the modern theories, existing ancient Indian theories and practices to explain the dependence of such daily life beliefs on variable color intensity of planetary radiation. The theory proposed explains many existing traditions and is expected to be helpful to carry out research in ubiquitous areas like medical science, physics, psychology etc.

Keywords: Days of the Week, Planetary Radiations, Ancient Indian Theories, Modern Theories.

"Life is a spectrum of possibilities."
- Swami Vivekananda

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Paper ID: 2446

Impact assessment of Hindustani Classical Music on academic performance of School Students-A Review Study

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Abstract

This study has strived to assess the impact of Hindustani Classical Music on academic performance of school students. The study involves collection of data from a school in Punjab wherein the academic performance of two groups of students with different age groups was assessed for first six months of an academic year and thereafter the performance of same students in rest of six months of academic year was assessed with regular lessons and practice of hindustani classical music in later half of the year. The study found significant improvement in academic performance of the students when they taught and practice hindustani classical music regularly.

Keywords: Hindustani Classical Music, Academic Performance, School Students, Impact Assessment, Music Education.

"Music has the power to shape our emotions and academic performance." - Anonymous

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Paper ID: 3336

Sustainable Development

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Abstract

"Framing of NEP-2020 will be remembered as a shining example of participative governance. I thank all those who have worked hard in the formulation of the NEP-2020. May education brighten our nation and lead it to prosperity" ..... PM Narendra Modi

Education is a fundamental human right, which provides knowledge and skills to people to increase employment prospects, reduce poverty and improve health and wellbeing. The road to achieve quality education, which is the backbone and basis of every society's development; is through education policy. The present administration in India has introduced the National Education Policy (NEP-2020), that focuses on achieving quality education and sustainable development for the nation. It was long overdue since a new education policy was adopted and implemented in India to meet the global standards. The New Education Policy rolled out by Indian Government in the year 2020 is a welcome change and ably abbreviated as NEP - 2020. National Education Policy 2020 (NEP 2020) is a blueprint for a new India that aims to reform the educational system. This policy was approved on July 29, 2020, by Indian cabinet. NEP 2020 is also in the line of Goal 4 of the United Nations Sustainable Development Goals (UNSDG 2030), which clearly believes that quality education is the base of sustainable development. The educational structure, the guidelines, and the methodology of implementation of the same are commendable. The changes proposed by NEP – 2020 breathes a fresh wave of hope in foreseeing much brighter and more practical students who are ready to take on the challenges posed to them. A new policy in place is very crucial for a country where the population of youth is larger than the entire population of Europe, hence the supposed investments in the education and skill development is an obvious step.

The concept of sustainable development is equally important for society's growth, since it flourishes idea that human societies must live and meet their needs without compromising the ability of future generations to meet their own needs. Sustainable education for Sustainable development is a lifelong learning process and very important aspect of quality education. The development of information, skills, values, and behavior essential to build a sustainable world is usually defined as education for sustainable development. Education for Sustainable development provides the learners knowledge, skill, values of all ages to share a sustainable future and also an agency to address interconnected global challenges including climate change, loss of biodiversity, unsustainable use of resources, and inequality. It empowers learners of all ages to make informed decisions and take individual and collective action to change society and care for the planet and thereby develops the intellectual, socio-emotional and behavioral dimensions of learning and covers learning content and outcomes, pedagogy and the learning environment itself.

Thus, NEP 2020 will strengthen all the citizens of the country by enhancing their skills and knowledge. Furthermore, it clearly talks about complete modernization of Indian educational system from pre-primary to higher education along with curricular reforms to institutional reforms in a

phased manner, which will help India to achieve Sustainable Development objectives.

In the present study, an attempt is made to analyze the role of NEP 2020 for achieving quality education and also analyzes how quality education is the foundation for achieving every goal of Sustainable Development 2030. This paper also provides insights into various contours of NEP 2020 and how it aligns with the UN Sustainable Development Goals (SDGs) 2030 targets. Moreover, this paper also looks at how India should step up with caution to achieve the objectives.

Keywords: NEP 2020, Quality Education, Participative Governance, Indian Government, UNSDG 2030, Socio-emotional Learning.

"Sustainability is the key to our future on this planet."
- Anonymous

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Paper ID: 3503

Green Technology-A Future Avenue

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Abstract

Purpose: The present paper aims to propose an optimized way of usage of technology and science to create products and services which are environment friendly. The basic goal is to protect the environment, repair the damage done to natural resources in the past and to conserve the Earth's Natural habitat. The main objective of Green Technology is to combat climate change, safeguard the environment, lessen our reliance on non-renewable resources like fossil fuels, and repair environmental harm.

Design/methodology/approach: Methodology adopted in the present study consider review of literature of natural habitat, reasons for climate change, currently used technology to safeguard our Earth's environment and better solutions to repair damage by adopting clean and green technology.

Findings: In this present work, it is observed that excessive usage of natural resources in the past results in climate change. So, in the light of technology, some natural measures like planting eco-friendly plants, usage of natural energy for electricity, management of water for building materials are to be implemented for making clean and green earth.

Research limitations/implications: The present study discusses the management of waste, eco-friendly plants, green buildings, sustainable energy. The major limitation is of high costs for deployment of green technology and sustainability solutions and the lack of tailored solutions to address unique environmental challenges.

Originality/value: The proposed work is highly original in its approach in addressing the challenges of environmental problems. The global green technology and sustainability market size is projected to grow from $16.50 billion in 2023 to $61.92 billion by 2030, at a Compound Annual Growth Rate (CAGR) of 20.8%. Purification and waste management, sustainable energy, renewable energy, energy conservation, Again forecasting, environmentally friendly constructions, vehicles and eco-friendly plants are being discussed and reviewed in this article.

Keywords: Green Technology, Environmentally Friendly Constructions, Vehicles, Eco-friendly Plants.

"Green technology is the path to a sustainable future."
- Dr. A. P. J. Abdul Kalam

22

Paper ID: 3643

Health and Wellness: Why to Escape Sex Education

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Abstract

"The paucity of comprehensive and age-appropriate sex education in teenagers has serious implications for the physical, emotional, and social well-being of students, including increased risk of unplanned pregnancy, sexually transmitted infections, and sexual violence, and therefore, it is crucial to prioritize the implementation of comprehensive sex education programs in schools. It perpetuates harmful stereotypes, promotes sexual objectification and gratification at the expense of others, and contributes to the prevalence of sexual violence, highlighting the urgent need for the implementation of age-appropriate, inclusive, and evidence-based sex education programs in schools."

Keywords: Health and Wellness, Sex Education, Comprehensive Sex Education, Sexually Transmitted Infections.

"Health and wellness are the cornerstones of a happy life."
- Anonymous

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Paper ID: 3883

Positive Impact of Psychoneurobics Techniques in Inculcating Health & Wellness

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Abstract

This research ordeal primarily pays heed on the age old adage "Healthy mind resides in a healthy body". At the outset, it sounds really simple, but it takes Herculean endeavors' in building a healthy and holistic body sans any ailment. Health is a diverse term that encapsulates not only the physical health but primarily the mental well-being of an individual. A sufferer despite whatever ailment he is encountering; the root cause of all illness is stress. Existing in this mechanical humdrum world, every individual in the rat race of hoarding financial security is pressurized with unnecessary stress resulting in psychosomatic diseases, which further complicates the problem. Here comes the import of Psychoneurobics which is a Pseudoscience that directly assists the candidate in building communion with the Divine energy- the main source of energy via some trusted and captivating techniques and strategies in inculcating health and wellness in the aspirant. The current research paper will apprise about the Psychoneurobics techniques like Sound therapy, Colour therapy, Psychoneurobics Spa, etc in developing a healthy and balanced lifestyle.

Keywords: Balanced, Herculean, Psychoneurobics, Psychoneurobics Spa, Psychosomatic, Wellness.

"Health and wellness are the building blocks of a fulfilling life."
- Anonymous

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Paper ID: 4010

Visual Interaction Technique in Human Computer Interaction and its Usability in Virtual Keyboard

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Abstract

Purpose: This research paper discusses how Human Computer Interaction (HCI) had developed throughout these years and what challenges it had to face to design user-focused interfaces. To understand how HCI improves our visual interactions, a typing experiment is conducted. This experiment aims to understand the benefits of using virtual keyboard system in enhancing typing speed and accuracy of the users.

Methodology: The methodology used in this paper is Technology Acceptance Model (TAM), this model helps us to know whether the users are adapting the proposed technology or not based on the TAM questionnaire. TAM questionnaire is made up of 5 items, perceived usefulness (PU), perceived ease of use (EOU), perceived interest (PI), attitude towards using (ATU), and behavioral intention (BI). After evaluating these 5 items we can discover the user acceptance of our technology.

Research limitations: The proposed methodology does not address the variable of user's behavior such as interpersonal influence towards the technology. As one can be easily influenced by the words of others, for instance, a superior staff member, or a friend.

Value: This paper is highly original in discussing about the challenges of HCI throughout these years. Along with this, the typing experiment which is conducted using TAM model and TAM questionnaire is a great way to understand how users perceives or accepts any technology. Results of this experiment states that, most users found this virtual keyboard system useful, easy to use, and easy to understand.

Keywords: Human Computer Interaction (HCI), Virtual Keyboard, Usability, Typing Experiment.

"Technology is the bridge to seamless human-computer interaction."
- Anonymous

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Paper ID: 4077

The Impact of Happiness Curriculum on the Mental Health and Emotional Wellbeing of Government School Children of Delhi

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Abstract

Purpose: Every person who enters this world has the right to happiness. In actuality, happiness is the only goal we have in life. It is a common saying that a person who is emotionally healthy and psychologically stable can be recognized by the happiness in their eyes the goal of this project is to emphasis the value of the happiness curriculum in Delhi government schools. To comprehend the idea and concept of emotional and mental wellbeing. It will examine the value of happiness and how happiness curriculum affect kids' development in building their emotions and making them emotionally stable being.

Design/methodology/approach: The research will be qualitative because it will evaluate the most recent developments in the sector. Because the data gathered will be more descriptive and conclusions may be made from them with ease, the research will be qualitative. The researcher used information from secondary sources, such as books, papers, and websites that had already been published in relation to these variables. It will be an educational research project because it will help to improve educational practices.

Findings: It has been noted that happiness curricula are created with the sole purpose of enhancing a person's mental health. The core of an emotionally secure person is resilience. The study also noted that individuals become intellectually and emotionally fit by default as a result of the syllabus or content presented in the happiness curriculum. The policy covers numerous activities that improve social relationships, rapport building, resilience, adaptability, and other personal qualities in a person, such as mindfulness training, stimulating activities, story-telling, meditation, and yoga.

Limitations/implications: The study only considers how a happiness curriculum affects a person's mental and emotional well-being; numerous other outside elements have been disregarded. Additionally, because the concept is relatively new, the researcher must rely on a very little amount of data, which leaves room for future investigation. Additionally, the trainers, resource people, and instructional tools lack adequate training and development. Another restriction is the professors' lack of earnestness. Although the effects or influences of the variables on one another are understood, their association or correlation is still a mystery. One can further study about the regression or correlation analysis.

Originality/value: The entire research article is the author's own creation. We all know that the Happiness Curriculum is the most recent development in the field of education, and the researcher makes an effort to some extent contribute and supply some literature for this fresh topic. Before reaching the findings and conclusions, the researcher reviewed a large number of secondary sources of data and observations.

Keywords: Happiness, Happiness curriculum, mental health, emotional wellbeing.

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Paper ID: 4648

Best Practices in Schools

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Abstract

This paper explores best practices in school education across various regions of India, including North, South, East, and West India. It highlights activities and approaches that can enhance the learning experience and overall development of students. These practices encompass project-based learning, debates and discussions, field trips, cultural programs, sports, community service, technology integration, personalized learning, experiential learning, and more. The paper emphasizes the significance of these practices in promoting critical thinking, creativity, cultural appreciation, environmental awareness, and holistic development among students. Additionally, it addresses the specific cultural and regional aspects of each region's education system.

Keywords: Project-Based Learning, Technology Integration, Personalized Learning, Experiential Learning.

"Best practices in schools lead to better education."
- Anonymous

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Paper ID: 4686

An Academic Value-Added Mathematical Model in Education Sciences

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Abstract

Purpose: This paper is to propose to identify the most influencing independent term which is going the affect more, compare to other terms so that necessary steps can be taken to achieve the desirable output. The concept mathematical modeling approach is applied in the educational study related to implementation of NEP in which different output such as evaluation of technical education of middle income or low income students, Gender bias restrictions, Use of Innovative ICT methods, Modern educational system and Smart educational system is correlated to the numbers of inputs terms which is independent such as {(Assessment Expanded) (Policy Improved Implementation) / (Use of regional language)}; {(student's understanding) (participate in Tech education) / (spend sufficient time together)}; {(NEP to leave the course midway.) (UHV vision of NEP) / (NEP job opportunities)}; {(Technical skills) (Digital skills) (Master basic skills) / (Cognitive skills) (Socio-emotional)]}; {(Technology collaboration) (ICT tools learning challenges) / (Technology career goals)}; {(cognitive development) (Pedagogical practices and technology-) / (Students' socio-economic)} and {(quality of teaching) (Remote Learning system) / (gender gap widening)} affecting the performance. This concept of mathematical modeling predicts the performance of implementation of National Education Policies. So apart from direct teaching and research activities such innovative approach of implementing mathematical modeling will surely help the teacher in devising effecting teaching plan. It is a structured approach which involves realistic, which can lead to the enhancement of mathematical thinking among the young learners by concentrating on the most important independent terms among the several which influence the output such as evaluation of technical education of middle income or low income students, Gender bias restrictions, Use of Innovative ICT methods, Modern educational system and Smart educational system. Formulated mathematical modeling is useful to predict exact independent term on which more focus is to be given so that the cost of investigation and time to search the cause is reducing which result into the enhancement in the educational output to be achieved.

Design/methodology/approach: The methodology proposed in this work involves mathematical modeling approach as world-renowned field of research in digitalizing the education. Different modeling cycles were developed and discussed in order to describe modeling processes and goals as well as arguments for using in teaching applications. Mathematical modeling approach is the world-renowned field of research in digitalizing the education. Different modeling cycles were developed and discussed in order to describe modeling processes and goals as well as arguments for using in teaching applications. Many recent qualitative and quantitative research studies show that mathematical modeling was used as teachers' tool. However, students also play an important role in implementing mathematical modeling successfully into education system.

Findings: In this work, National Education Policy has main focus on imparting quality education. So,

its implementation should be visualized critically in which there is a need to understand every aspect, the hurdles and the applicability from one to many. The present paper deals with the mathematical computing approaches of each stakeholder's views involved and then relating with the plausible weight age factor determination. NEP is basically construction of education in a structured manner with strong pillars of holistic development, ICT based education, student centric methods, for building up a bright future of young learners and hence of 'Incredible India'. First Mathematical model formulated is Z1 = 9.18*(p1) 0.008 *(p2) -0.055 *(p3) -0.019 *(p4) 0.135*(p5) 0.125 *(p6) 0.056 *(p7) 0.032 Where, Z1 = Output related to Low and middle-income countries regarding achievement in technical education goals

The absolute index of p4 is highest Viz. 0.135 is the term related to the up gradation of technical skills, necessity of digital skills, lack of master basic skills, improvement in cognitive skills and necessity of socio-emotional values. The value of the index is positive indicating that the Low and middle-income countries could not be able to achieve the tech education goals without the up gradation of technical skills, necessity of digital skills, lack of master basic skills. Improvement in cognitive skills and necessity of socio-emotional will also be involved. The absolute index of p1 is the lowest Viz. 0.008; the term related to the Assessment Expanded, Policy Improved Implementation and Use of regional language. As the assessment Expanded, improved policy implementation is essential to increase the tech education goals for the low- and middle-income countries increase. Further p5, p6 and p7 terms having the index 0.125, 0.056 and 0.032 respectively where technology collaboration and ICT tools learning challenges related to p5, pedagogical practices and technology related to p6, quality of teaching, remote learning system and gender gap widening related to p7. The indices of these pie terms are directly proportional to the tech education goals for the low- and middle-income countries. The term p2 is student's understanding and participation in Tech education is having negative index -0.055 which is inversely proportional term related to Low and middle-income countries could not able to achieve the tech education goals. Curve fitting constant K is 9.18 indicate the influence of other pie terms.

Research limitations/implications: The proposed methodology does not address accurate calculated output using the mathematical modeling approach. To achieve the accurate output to be calculated using mathematical model which is to be compared with the field data based output to estimate the percentage error is possible by changing the grouping of the individual independent variables. The proposed methodology does not address computer program to ensure the accuracy however the analysis on the excel sheet give the final outcome with percentage error.

Originality/value: The proposed work is highly original in its approach to addressing the challenges of any types of independent terms as in this case related to the education questionnaires' which would help to resolve the inference between the numbers of various independent pie terms to achieved the desirable output at low cost and minimum time. Paper details the collection of different views from different stakeholder by collecting feedback in the form of questionnaires' and further correlating the input and output collected data by formulating the mathematical model particularly exponential form. The indices of each grouped pie term indicate the effect on the output variables such as individual independent variable is directly proportional or indirectly proportional to the dependent variables. This interpretation helps to predict the important independent terms on which more concentration or importance is to be considering results into saving in cost analysis and reduces time required for analysis. Paper describe the approach to evaluate of Technical Education of Middle Income, Gender bias restrictions, Use of Innovative ICT methods, Modern educational system and

Smart educational system for the in NEP using the field data-based modeling approach.

Keywords: NEP, Technical Education, ICT Methods, Modernization, Smart Education, Independent Variables, Educational Performance, Decision-making.

"Academic value is the measure of a student's growth."
- Anonymous

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Paper ID: 4765

Evaluation of Executive Functions Skills among Youth Taekwondo Players and Non-taekwondo Players with the Executive Skills Questionnaire-revised

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Abstract

The purpose of the study is to identify the difference of executive skills like Behavioral Regulation, Organization, Emotional Regulation, Time Management, Plan Management between Taekwondo players and Non-taekwondo players with The Executive Skills Questionnaire-Revised. The present study was conducted on a sample of thirty-two (N=32) Youth, which includes sixteen (16) Taekwondo players female University Youth and sixteen (16) Non-Taekwondo players female University Youth age of in between Fifteen to Twenty-Four (15 to 24) years old students of Cotton University in Guwahati, India. Data was collected by using The Executive Skills Questionnaire Revised develop by Strait, J. E., Dawson, P., Walther, C. A., Strait, G. G., Barton, A. K., & McClain, M. B. (2020) which include the 25 items. Independent t-test was applied to assess the differences between Taekwondo players and Non-taekwondo players female University Youth. For testing the hypotheses, the level of significance was set at 0.05. The result revealed no significant difference with regard of executive function skills among Taekwondo players and Non-taekwondo players female Youth of Cotton University in Guwahati, India.

Keywords: Executive Functions, Taekwondo Players, Non-taekwondo Players Youth, Executive Skills, Questionnaire-revised.

"Executive functions are the keys to success in sports and life."
- Anonymous

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Paper ID: 3503

Recent Trends in Global Education

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Abstract

Current developments in global education are a direct response to the urgent requirement for transformative learning in our ever-changing world. These trends revolve around innovative teaching methods, personalized learning experiences, and inclusive practices, which serve as crucial guiding principles. The primary objectives encompass preparing students to thrive in an interconnected world, nurturing their problem-solving abilities, and fostering equity and social-emotional development. By wholeheartedly adopting these trends, educational systems can effectively equip learners with the essential skills and mindset needed to navigate the myriad challenges of the 21st century. It is of utmost importance to align educational practices with the evolving needs of society, empowering future generations and enabling them to make meaningful contributions to their respective communities. In conclusion, embracing emerging trends in global education not only allows us to meet the ever-evolving needs of learners but also adequately prepares them for success in the 21st century and beyond

Keywords: Transformative Learning, Personalized Learning, Inclusive Practices, Social-emotional Development.

"Global education is the window to a globalized world."
- Anonymous

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Paper ID: 5470

English-The Most Emphasized Emerging Trend in Global Education System

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Abstract

Purpose: The purpose of the study is to highlight the importance of English in today's educational world. It will emphasize the reasons, which are relevant in the most current times. The study focuses on the different usages of English other than communication and why youngsters should acquire the language. It is also providing snippets of different motivational factors of English language and journey of English from local to global. The study's primary goal is to emphasize the significance of English as the most developing trend in global educational system.

Design/methodology/approach: The methodology to conduct this research is qualitative. This is a descriptive study with the use of secondary data to highlight the emerging trend of English globally in education system, as to how this language has importance in every field and every corner of the world.

Findings: Each language has its own importance but English is the most emerging trend in global education system. Education knows no bounds. English as a language in education has evolved and become a global language. Pupil from across the globe wants to learn English for many purposes rather than communication. The simulation findings show that current trend of English outperforms the previous trends on various factors such as youngsters dream of education in overseas universities or more opportunities to work abroad which makes them economically strong. Language also plays a dominating role in cross cultural exchange and technological advancement which is inevitable in current period.

Research limitations/implications: The proposed methodology does not take into consideration that segment of pupil who are not able to learn the language. It is not addressing the issues like lack of resources, barriers like psycho-social, socio-economic, socio - emotional, curricular and pedagogy.

Originality/value: The proposed work is highly original in its approach to addressing the English as the most emerging global trend in education system. In today's world, the introduction of many variables for learning English and its worldwide application, particularly in the educational sphere, is unavoidable. The concept of learning English for global consequences is something that offers youngsters a promising future

Keywords: Emerging Trend, Technological Advancement, Cross-cultural Exchange, Psycho-social Barriers.

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Paper ID: 5500

Presentation on Psychology of the Child (How to Read, How to Teach)

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Abstract

बच्चे की मानसिकता क्या मांग करती है? उन्हें कैसे पढ़ना है? क्या पढ़ना है? कब पढ़ना है? इसके बारे में सोचना बहुत आवश्यक है। क्योंकि आज के इस रफ्तार भरे जीवन में हम सब यह भूल गए है कि बच्चा खुद क्या बनना चाहता है? हम इस दौट में लग गए हैं कि हमने अपने बच्चे को क्या बनाना है? मनोविज्ञान वास्तविक जीवन की पढ़ाई है। इस पत्र मेन इसी के बारे में चर्चा की गयी।

Keywords: मनोविज्ञान, शिक्षु मनोविज्ञान.

"A child's mind is a blank page waiting to be written with love and wisdom." - Anonymous

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Paper ID: 5547

The Role of Behavioral Economics on School Education in India - Opportunities and Challenges

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Abstract

Behavioral economics, an interdisciplinary field that combines insights from psychology and economics, has gained significant prominence worldwide in recent years. Its application in school education has the potential to revolutionize teaching and learning practices, particularly in a diverse country like India. The research objective of this research paper is to investigate how behavioral economics concepts can improve student motivation or decision-making in a specific subject or grade level. This paper explores the introduction of behavioral economics in the Indian education system, highlighting its benefits, challenges, and potential impact on students and educators. Moreover, the integration of behavioral economics can contribute to reducing educational disparities by addressing the behavioral barriers faced by marginalized students. By integrating behavioral economics principles into school education in India, educators can gain insights into the decision-making processes of students and stakeholders, design effective interventions, and create an inclusive and supportive learning environment. This approach can contribute to improving educational outcomes, reducing disparities, and fostering the overall development of students in India.

Keywords: Behavioral Economics, Indian School Education System, Nudge Theory, Psychology.

"Behavioral economics is changing the way we think about education." - Anonymous

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Paper ID: 7546

The Impact of Digital Marketing on Businesses

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Abstract

The value of digital marketing in the ever-evolving business environment and its effects on advertisers and customers are discussed in this paper. The opening highlights how traditional marketing tactics are giving way to digital marketing as a result of the internet and technology's rapid advancements. The study covers related literature that highlights the development of digital marketing, its effects on a variety of industries, including retail, hotel, healthcare, financial services, and education, as well as the difficulties associated with implementing a data-driven strategy. The paper also includes a case study analysis that was done using polls of buyers and sellers in the auto mobile industry. The findings show that both buyers and sellers prefer online marketing, with social media being a top medium. In order to demonstrate the benefits of digital marketing, the paper contrasts it with traditional marketing in terms of analytics, cost, reach, interactivity, and personalization. The paper concludes by offering best practises for companies to use digital marketing to overcome obstacles and capitalise on its advantages. These include working with experts, focusing on high-quality content, building a strong online presence, identifying the target audience, experimenting with new approaches, and offering top-notch customer service. This paper provides a thorough overview of the landscape of digital marketing by providing insights into the various aspects of it and how they affect both businesses and consumers.

Keywords: Digital Marketing, Traditional Marketing, Internet, Data-driven Strategy.

"Digital marketing is the future of business growth." - Anonymous

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Paper ID: 5560

Futuristic Educational Transformation in India

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Abstract

Purpose: The aim of the study is to understand the future course of education in India and how the same is going to change over the period of time. The future of India depends on the quality of education which is being provided to the current population. They are the ones who shall ensure the future generation of the country and hence they shall develop the overall future of the country. It is important to understand the transformational process of the country and the factors which shall contribute towards this journey. The activities which shall make the change is important to be studied and how the same shall cause a change in process

Design/methodology/approach: the overall process of educational transformation shall involve a large number of steps and in this regard it shall help in ensuring building the overall future of the country. It would be important for the country to ensure proper education system and changes therein so that there shall be improved mechanism for growth and the people of the country are more educated. The education shall form the backbone of the country and this shall ensure better employment of the members of the country. This shall thereby help in improving the overall systems and procedures within the country.

Findings the need for change in education is to be identified and the current issues needs to be listed down. Once the current issues are identified the same must be incorporated in the new path to the educational transformation which shall help in determining the best course of action to be implemented for the larger future of the country. Along with that the futuristic demand shall also be plugged in within the educational system so as to ensure that the same remains relevant even with the changing times of the world. The overall system and processes must be such which can help in developing and delivering better values to the people of the country.

Research limitations/implications: Research is required to be done on the manner in which the education system is changing across the world and how people are bringing in new concepts and techniques into the teaching world. One is required to ensure compliance to the key forces and to ensure implementation of overall basics so as to improve the manner of operations and their overall skills. It is indeed important to have a view of the global perspective of the changing dynamics of the education system and then bring the best within the country to get the desired results.

Originality/value: the current research would be unique in all perspective, thereby leading to improved understanding of the changing dynamics of education within the world and how the same shall bring about the transformation within India. The change in education shall bring about the change in the people of the country and thereby shall lead to improvement in the lives of the people. The overall skill set of the people determines the manner in which there shall be improvement of the overall standard of living and hence this shall help in ensuring a sustainable life for the long term period of the country.

Keywords: Futuristic Education, Educational Transformation, Global Perspective, Changing Dynamics, Sustainable Development.

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Paper ID: 5724

Review of Hydro Electric Power Plant and its Classifications

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Abstract

The purpose of this article is to provide an overview of hydroelectric power plants, including their main components, how they work, and the advantages and disadvantages of using hydroelectric power as a source of renewable energy. The article aims to inform readers about the role of hydroelectric power plants in the global energy mix and the potential benefits and drawbacks of using this form of energy. Additionally, the article may also discuss modern technologies and environmental safeguards that can be used to minimize the environmental impacts of hydroelectric power plants.

Keywords: Hydroelectric Power Plant, Energy Mix, Environmental Impact.

"Hydroelectric power plants harness the power of nature." - Anonymous

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Paper ID: 5917

Sustainable Development Financial Development a Curse or Boon for Environment: With Special Reference to CO_2 Emission

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Abstract

Purpose: This study examines the effects of financial development on CO_2 emissions in ten particular nations between the years of 2001 and 2021. Investigating whether financial development increases or decreases CO_2 emissions is the main goal of this study. This study observes the causal relationships between financial development and emissions of CO_2 in order to assess the implications for sustainable development.

Design and methodology: The present study is conducted on secondary data, we concentrate on air pollution in this work and use carbon dioxide (CO_2) emissions per capita as the primary indicator for the state of environmental pollution. As indicators of financial development, GDP, net foreign direct investment inflow and outflow, and bank credit to the private sector are used. In addition to this population is taken as control variable. It employs panel data of the top ten CO_2 emitter countries (China, Canada, India, Italy, Japan, United States, U.K, Korea Rep, France, and Germany) from 2001 to 2021. Fixed effect and first difference model are used to analyse the data of the study.

Findings: Results from the use of an econometric technique infer without a doubt that financial development will have a favourable long-term influence on CO_2 emissions. Furthermore, according to a fixed effect model, empirical evidence suggests that the effect of domestic credit given by banks to the private sector has a positive relationship with CO_2 emissions. With the increase in GDP per capita co2 emission decreases so the study supports EKC hypothesis.

Research implications: The collected results suggest that economic policy measures should focus on encouraging loans to finance the following.

Switching to low: Emission engines and later to gas-powered automobiles, as well as hybrid and electric vehicles.

Financial Commitments to more energy: Efficient technology that facilitates the switch to cleaner energy sources, particularly in the energy, manufacturing, and transportation sectors.

Research and development initiatives that should facilitate CO_2 reduction. Implications of present study are Credit funding should be wisely distributed and directed towards low-carbon businesses and projects. In order to encourage financial institutions to engage in green credit activity, appropriate fiscal and taxing mechanisms should be implemented. In addition, organisations should be set up to monitor the financial impact of carbon, measure the effectiveness of credit funds. Several fiscal mechanisms, including as taxes, subsidies, and incentives, can be used by policymakers to encourage the gradual transition into green economy.

Originality/value: The study is original in work and studied the link of financial development with

environment up gradation / degradation. The work suggested various measures to deal with problems of CO_2 emission. Various policy implications are suggested for environment sustainability.

Keywords: CO_2 Emission, Financial Development, Carbon Taxes, Green Economy, GDP, FDI.

"Sustainable financial development can be a boon for the environment." - Anonymous

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Paper ID: 6061

The Evolution and Contemporary Stance of Critical Race Theory: A Critical Study

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Abstract

Critical race theory is an intellectual and academic movement in the United States of America to examine racial unjust and its challenges in contemporary American society. It's the amalgamation of varied activists and research scholars involved together in analyzing and studying the most common phenomenon of racism and the delusions associated with it. Race and Ethnicity have been prevalent concerns for ages, specifically for minorities who are judged on the basis of skin color, physical appearance, outlook and communal disparities. Thus, there exists a need of a language which shall speak for these concerns not just in words but by creating a legal reasoning for the same. This theory mainly focuses on analyzing those rights which are pre-established since a long time but have failed to be applied in a broader perspective. It attempts to bring varied open abnormalities which have been overlooked since ages and have to be brought open and dealt in the very moment. Derrick Bell, being the prime contributor through his interest-convergence thesis made an acute contribution in the movement. The basic objective of this paper is to discuss about the advent of Critical race theory, its contribution for bringing about transition in civil rights and its agenda for future.

Keywords: Critical Race Racism, Ethnicity, Derrick Bell, Legal Reasoning, Racial Injustice.

"Critical race theory is a lens to examine societal injustices." - Anonymous

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Paper ID: 6175

Unlocking the Learning Power of Play: Exploring Learners' Preferences for Game Mechanics and Dynamics in Math Education

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Abstract

This paper aims to explore the effective use of game mechanics and dynamics in gamification to enhance mathematics education. It discusses learners' preferences for game mechanics and dynamics, and provides strategies for designing gamified systems that promote engagement, motivation, and learning outcomes. The paper emphasizes the importance of gamification in promoting effective teaching and learning in mathematics education. By analyzing the benefits and limitations of gamification, this paper demonstrates how educators can use game mechanics and dynamics to create immersive learning experiences that motivate students to learn mathematics. Ultimately, this paper highlights the potential of gamification as a powerful tool for enhancing mathematics education.

Keywords: Gamification, Game Mechanics, Game Dynamics, Mathematics Education, Teaching-learning Process, Motivation.

"Play is the ultimate learning tool." - Anonymous

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Paper ID: 6504

Positive Health and Wellness: Psychological Well-Being among School Students of Punjab

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Abstract

Psychological well-being among adolescents needs to be considered as a socio psychological necessity as it leads to happiness, positive state of mental health, and positive self-evaluations. The youth of today stand at a greater risk of being influenced by increasing environmental challenges and pressures. A notable upsurge in the number of cases of crime, violence, depression, suicide, substance abuse, sexual abuse is being witnessed in the young population. Many emotional and behavioral issues are found to be common in youngsters that are found to hamper their ability to grow and utilize their full potential. There are many daily hassles which can have a negative impact on their well-being. Thus, it becomes desirable to promote well-being of adolescents and help them in maintaining a positive mental health. The present study aims to study the level of psychological well-being among school going children of Punjab. The study was conducted on 520 adolescents (260 boys and 260 girls) in the age group of 13-18 years from different government and private schools of five districts of Punjab. Psychological well-being Scale by Sisodia and Chaudhary was used to collect the data. Chi square values and t-test were used to analyze the results. Major proportions of the adolescents were found to possess moderate levels of psychological well-being. The findings provide practical implications for the parents, counselors, teachers to provide positive opportunities for adolescents for enhancing their psychological well-being, thereby helping them to maintain positive health and happiness.

Keywords: Adolescence, Psychological Well-being Scale, Sisodia and Chaudhary, Chi Square.

"Positive health and wellness are the goals of education." - Anonymous

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Paper ID: 9936

Impact of COVID-19 on Education System in India

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Abstract

Education is a basic need for any country. During Pandemic time peoples are worried about theirhealth, wealth as well as education. The education has affected many but because of this pandemic most of the female children was dropped out from it stating the reason of financial and opportunity costs of doing so. Technology has opened many new ways for imparting education and also connecting the teacher students virtually through online classrooms, webinars, digital exams etc. but the sad truth is that it is not available to everyone. The entire education system moved out of traditional classrooms to Digital system during COVID-19. This pandemic period impact on every sector health, economics as well as education system. An education system shift to physical to online mode. The motivation of the study is to explore the impact of online education on the students in India.

Keywords: COVID-19, Pandemic, Online Education, Virtual Learning, Traditional Classrooms.

"Covid-19 has reshaped the landscape of education." - Anonymous

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Paper ID: 9733

Exploring the Potential of IoT for Smart City Development

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Abstract

As the Internet of Things (IoT) emerges as the next phase of Internet evolution, it is essential to identify the domains where IoT can be applied and the research challenges associated with these applications. From smart cities, healthcare, and smart agriculture, to logistics, retail, smart living, and intelligent environments, IoT is expected to play a significant role in all aspects of daily life. Despite substantial improvements in IoT-enabling technologies in recent years, many challenges still require attention. Transformation of an existing city to a 'smart city' is a very challenging task, and with the help of the Internet of Smart Things (IoST)-enabling technologies, it can lead to a successful transformation. Since the IoT concept has evolved from heterogeneous end systems, many research challenges are bound to arise. This paper hence presents how the development of smart cities will be carried out by enhancing general infrastructure with the help of IOT and what the challenges are associated with this application.

Keywords: Internet of Smart Things, Research Challenges, Retail, Intelligent Environments.

"IoST is the future of smart city development." - Anonymous

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Paper ID: 8705

Study Onward Clustering Strategy Along with Assorted K-Mean Technique

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Abstract

Clustering is a grindstone of severance as scimitar type of data in a group and dissimilar type of data into different groups. It is frequently used technique with k-mean algorithm on assorted type of data with various techniques. In this paper, describe the various techniques of k-mean (i.e., adaptive k-mean, distributed k-mean, moving k-mean, parallel k-mean, reverse kmean, sequential k-mean). Starting with K elements chosen from the input data set, the adaptive K-means clustering method is run. The K elements, which are chosen at random, serve as the seeds for clusters. These techniques can help to optimize the resources and data efficiently. This methodology can help to generate sustainable way for the usability of resources to save energy.

Keywords: Clustering, K-means, Data Optimization, Energy Efficiency.

"Clustering strategy is the heart of data analysis." - Anonymous

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Paper ID: 9395

Synthesis of Biogenic Calcium Silicate Glasses from Biomass for Numerous Applications

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Abstract

Agro-food wastes are generating at large scale specially in developing countries such India, China, Bangladesh, etc., which contaminated the air quality and drinking water. That's why, it has caught the attention of whole world, and converting it into value-added materials is another challenge. In this research, the main theme is up cycling (or synthesis) of biomass waste (Sugar cane leaves ash (SCLA), eggshell powder (ESP) and peanut shell ash (PSA)) taken in different proportions and converted into biogenic calcium silicate glasses using the melt-quench method. XRD pattern confirms the formation of glass from the biomass wastes, the optical band gap (Eg) decreased from 3.96 to 3.74 ev and the refractive index (n) increased from 2.17 to 2.22 as the concentration of ESP increased in appropriate ratio. The dielectric constant of different sintered glasses is observed in the range of 15–40 at room temperature and also measured with temperature and frequency. The biogenic calcium silicate glasses can be applied as substrates, sealing materials in solar oxide fuel cells and solid electrolytes in semiconductor industries and energy storage devices.

Keywords: Biogenic Calcium Silicate Glasses, Melt-quench Method, XRD Pattern, Optical Band Gap, Dielectric Constant, Substrates, Solar Oxide Fuel Cells.

"Biogenic glasses are a sustainable innovation from biomass." - Anonymous

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Paper ID: 9563

Control system Design for Automated Load Shedding in a Power System

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Abstract

The economic growth of a nation depends on the continuous energy availability. The various economic activities get stopped in the event of an energy interruption. The load in a power system is continuously varying throughout the day. Thus, there is a need for stable and continuous availability of energy. In this work, the automatic load shedding control of a power system is carried out. The manual control of load shedding system is managed by a computer-based system. The paper describes an efficient and affordable wireless distributed load shedding system for high power as well as low power scenarios. The proposed approach offers a workable alternative that automatically operates with partial load shedding or fully loads shedding depending upon input power availability

Keywords: Control System, Automated Load Shedding, Power System, Economic Growth, Input Power Availability.

"Automated load shedding is the path to efficient power management." - Anonymous

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Paper ID: 7272

Performance Analysis of Grid-Integrated Wind Energy System

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Abstract

The purpose of the research paper on a grid-connected wind energy system is to present a comprehensive study on the design and simulation of a wind energy system connected to the grid. The paper highlights the importance of renewable energy sources and how wind energy can be harnessed to contribute to the energy mix. The research paper outlines the various components of a wind energy system, including the wind turbine, permanent magnet synchronous generator, rectifier, inverter, and interconnecting transformer.

Keywords: Grid-integrated Wind Energy System, Performance Analysis, Permanent Magnet Synchronous Generator.

"Wind energy is a clean and renewable power source." - Anonymous

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Paper ID: 6859

Sustainable Development - Current Indian Scenario

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Abstract

Purpose: The current study was planned to look into the emergent call of the planet i.e. the sustainable development which means a development which meets the needs of the present generation without compromising the ability of needs for the future generation. Sustainable development goals (SDGs) was adopted as United Nations (UN) Agenda for 2030 which has 17 goals namely No poverty, Zero hunger, Good health and well- being, Quality education, Gender equality, Clean water and Sanitation, Affordable and Clean energy, Decent work and Economic growth, Industry motivation and Infrastructure, Reduced inequalities, Sustainable cities and communities, Responsible production and Consumption, Climate action, Life below water, Life on land, Peace, Justice and Strong institutions as well as partnership for the goals1.The current study has investigated the various efforts put by Indian Government to achieve these 17 goals and 169 targets which will set the blueprint for sustainable development for the future generations.

Design/methodology/approach: Literature review was carried out and few sites were explored.

Findings – As per the sustainable development report Finland is at 1st rank with 86.51 SDG1, India is at 121st rank with 60.32 SDG1 and South Sudan is at 163rd rank with 39.05 SDG1.

Limitations/implications: A complex procedure is required to monitor all the 17 parameters related Research to sustainable development.

Originality/value: Very few such studies are carried out in literature.

Keywords: Sustainable Development Goals (SDGs), SDG Index, Future Generations.

References

1. *https://sdgs.un.org/*
2. *https://dashboards.sdgindex.org/rankings*

"Sustainable development is the key to India's future."
-Anonymous

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Paper ID: 7704

Developing Reading Competence at the Preparatory Stage

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Abstract

Purpose: The purpose of this paper is to describe the effective strategies that can be used to enhance reading skills with comprehension amongst the students at the preparatory stage. Academic success in middle school and higher school greatly depends upon reading with comprehension. "Every other initiative that a leader might undertake is less important than ensuring that the students in school learn how to read," claims Catherine Snow. One of the strongest predictors of academic success is reading. Students who suffer in reading typically continue to struggle throughout their academic careers in all areas. (Henderson & Berla, 1994).

Design: The study used a Quasi-experimental pre-test & post-test research design without a control group. The study was conducted on 81 students of grade three studying in a local CBSE school. The Curriculum-Based Measure was used as a screening tool for reading. 98% of the words students studied in their text were taken to create a paragraph. Assessor used the stopwatch to assess the number of words read correctly per minute. To assess the understanding students were asked five questions based on the paragraph. The reading tool was standardized by using the Kelley method.

Findings: Students were categorized into three groups according to their performance in reading i.e. Average, Below Average, &Above Average. Ten students were performing at below-average levels, 63 students were performing at average levels and eight students were performing at above-average levels during their pre-test. A composite benchmark was drawn, which was 50 words read per minute with 80% of understanding. The average reading score was 46 words read per minute. Students who were performing at below-average levels got special interventions. The average reading for below-average students was 28 words read per minute with 50% of average understanding. After intervention during the posttest average reading for below-average students grew to 39 words read per minute with 75% of understanding. Their performance in terms of marks was also evaluated. Reading with comprehension was assessed out of ten marks. The average mark of a below-average student was 4.9 during the posttest, which increased to 6.85. T-ratio was 2.878, which was acceptable at a .05 level and.01 level. The school-based reading program impacted the reading performance of students performing at a below-average level studying in grade 3.

Implications: Every student can succeed if timely early interventions are provided to the students. Learning gaps in the reading should be identified and remediation should be planned.

Keywords: Preparatory Stage, Comprehension, Quasi-experimental Design, Curriculum-Based Measure, Learning Gaps, Remediation.

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Paper ID: 8572

Developing Reading Competence at the Preparatory Stage

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Abstract

Purpose: In the last few years India has changed its strategies as a nation in lieu to proceed from a developing nation to a developed one. The government has sketched a new plan of development that starts from the elementary level and proceeds towards the higher levels. The school education of today is based on the vision and mission of Skill India project. To make the working population capable of higher productivity it is essential to develop and upgrade skills in them. The current paper aims at discussing the scenario of private schools and government schools in providing skills education to the students at their institutions. The purpose of this paper is to study the initiatives taken by various private schools as well as government schools w.r.t skill development subjects being offered at the institutions as a part of NEP 2020. The study tried to find out the success level and gaps in the implementation of NEP 2020 w.r.t skill development.

Methodology: The study was done by collecting primary data from private schools and government schools in the form of survey, questionnaires and interviews at three levels viz institutional head, teacher trainer for skill subjects and students at various stages (VI-XII). A comparative study is done using graphical representation of data collected.

Findings: The results show that the government schools (Haryana Board) and private schools (CBSE Board) follow a different route to skill development. Also, there is a need to enlighten the students about the importance of Skill Subjects in career development rather than just for leisure.

Research limitations: The research was limited to schools of Faridabad district of Haryana state. The research only focused on skill subjects being offered at the school. The research was limited to 2 private and 2 government schools.

Originality: Most of the studies done so far are based on secondary data in the form of literature review or data from government sites. The current study considers primary data being collected by the researcher directly from the institutions and hence provides a better picture of the current situation at both private and government schools.

Keywords: NEP 2020, School Education, Productivity, Institutional Head, Comparative Study, Primary Data.

"Reading competence is the foundation of lifelong learning."
- Anonymous

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Paper ID: 9705

Open Educational Resources: An Insight into Various Initiatives at National and International Level

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Abstract

In recent decades technological advancements have been witnessed in all sections of society whether medical, travel, or industry, etc. Education sector has also witnessed this paradigm shift from print to digital and web-based content. Open Educational Resources has transformed the educational sector and has proved as a boon for those institutions and students that were unable to access the educational content due to geographical, economic, and access rights policies. Many Government initiatives/schemes have also helped in accelerating this movement. In the last decade, a large number of institutions, universities, individuals, and philanthropic organizations have supported this open educational resources movement and made their educational content free of cost and available for access by any students/ teachers without any geographical/ language, or economic restrictions. This paper elaborates on many such open educational resources and projects available free of cost without any restrictions and cater to the educational, textbook, and course curriculum-related requirements of the students. Most of the open educational resources are available with creative commons licenses which help students and teachers to use, reuse, share, and publish these resources freely. Familiarity with open educational resources will help students and teachers in their academic assignments, in-depth subject knowledge, and assistance in self-learning. Apart from this, it will also inculcate a habit of using authentic resources among students. As open educational resources are from authentic and reliable sources so students and teachers will prefer these resources rather than copying fake and wrong information from unauthentic web-based resources.

Keywords: Open Educational Resources, Web-based Content, Web-Based Resources.

"Open educational resources are a treasure trove of knowledge."
- Anonymous

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Paper ID: 9622

Fingerprint Classification System: How Justice was Denied to the Indian Innovators Who Helped Ameliorate the Criminal Justice System

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Abstract

Purpose: This presentation highlights the contribution of two Indian Police Officers, Sub-Inspectors Azizul Haque and Hem Chandra Bose who, in 1897, while working in the Bengal Fingerprint Bureau, invented a formula for classifying fingerprint record. This formula is still being used globally, but unfortunately these two innovators never received the credit due to them.

Methodology: The historical records at National Archives of India.

Findings: The Indian Innovators were hoodwinked by their English Officer, Inspector General Police, and Sir Edward Richard Henry to falsely claim the invention in his name.

Research Implications: To accentuate the beneficence of Indian innovators so that they too may officially be recognized as pioneers of the science of fingerprinting.

Value: To emphasize that Indian knew about fingerprinting when no other nation had inkling of it.

Keywords: Fingerprint Classification System, Recognition, Pioneers, Fingerprinting.

"Justice delayed is justice denied."
- Anonymous

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Paper ID: 341

Moral Values and Ethics in School Education

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Abstract

This abstract focuses on the practical approach to incorporating moral values and ethics in school education. It highlights the efforts of St Vivekananda Millennium School (SVMS) in HMT Township, Pinjore, (Haryana), to promote moral values and ethics among its students. The school draws inspiration from the teachings of Swami Vivekananda and emphasizes the integration of traditional values with modern learning tools.

The objective of imparting moral values and ethics in the school is to inculcate higher values like truthfulness, patriotism, self-sacrifice, and the spirit of inquiry in students. It aims to develop qualities such as kindness, tolerance, non-violence, and environmental consciousness. The school also focuses on fostering peace, harmony, and a sense of duty towards parents, teachers, and society.

Various practical initiatives are implemented to achieve these objectives. Greeting each other with respect, association with the Ramakrishna Mission, daily yoga and meditation sessions, and the creation of a meditation cum introspection room are some of the practices followed in the school. The school also emphasizes the importance of interaction with individuals of high intellect, social interaction, serving society and celebrating festivals to promote values.

The evaluation of the moral values and ethics program shows positive outcomes, including a better understanding of self and Indian civilization, sensitization to values, improved discipline and obedience, and the inspiration to lead ideal lives. The presentation also highlights specific initiatives like the Vivekananda Chhatr Utthan Manch, library on wheels outreach programs, and the promotion of Indian art and culture.

In conclusion, SVMS demonstrates a practical approach to instilling moral values and ethics in students. By combining traditional values with modern learning tools, the school aims to develop responsible and compassionate citizens. The abstract emphasizes the importance of continuous effort and innovation in promoting moral values and ethics for the well-being of future generations.

Keywords: Ethics, Traditional Values, Modern Learning Tools, Environmental Consciousness, Ramakrishna Mission, Indian Civilization.

"Moral values and ethics are the pillars of education."
- Anonymous

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Paper ID: 2181

Necessity of Department of Holistic Education in Schools

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Abstract

Purpose: The main purpose of Holistic education requirement in schools is crystal clear that is to improve a student as a whole. Well, the requisite of department of holistic education will overall put a great impact to the Indian education system and not ignoring the fact that it will be no less than a boom in a student's life as it will focus on every aspect of a pupil's life and help the pupil to develop in all aspects of life. It will help students to grow physically, emotionally, socially, and cognitively creating very genius minds with great potential

Design/Methodology/Approach: The methodology of how the department of holistic education will work in schools is not rocket science. The methodology will function in a comprehensive manner as the department will have trained personnel's of this field, who will be easily available to contact during the school hours for counseling of a student. There also will be 1 hour counseling sessions every 3 days a week collectively for a grade and activities 2 times a week related to holistic development. This will boost the holistic growth for every pupil.

Findings: Holistic education depreciates the reward system of a student which includes grades, marks and credits on individual level as well as for a team. Ultimately the final goal is to become the better version of yourself but not become better than someone else. It is also discovered that students who are taught with the help of holistic education they not only perform academically higher but also do better in other aspects of life.

Research limitations/Implications: The proposed methodology has very few experts in the field which is a major issue. To implement holistic education in India at a large scale a large number of holistic department teachers/educators are required which is next to impossible due to lack of these people required. Another implication is to have agreement with the schools to introduce this new department.

Originality/Value: The proposed work is highly original in its approach to addressing the challenges of today's modern education system in which it solves the problem of students taking excess burden on themselves to gain high scores in academics and completely ignoring their physical health, mental health and psychological health. This introduces a better way to make students learn better and also focus on their overall health and other aspects of life and also some very important and required skills to succeed in life rather than just being a bookworm cramming useless lines.

Keywords: Holistic Education, Reward System, Academic Performance.

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Paper ID: 9011

Role of Modern Technologies in Future Dimensions of Teaching

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Abstract

Modern technologies are already transforming the field of education and they will continue to play a crucial role in the future of teaching. There are some areas where modern technologies are expected to have a significant impact like personalized learning, Online and blended learning, Gamification and simulation and few more. If we talk about personalized learning, Modern technologies such as adaptive learning systems, machine learning algorithms, and data analytics can help teachers to understand the individual learning styles and needs of their students, and personalize the learning experience accordingly.

Coming to **Online and blended learning,** The COVID-19 pandemic has accelerated the trend towards online and blended learning, and modern technologies are playing an essential role in delivering high-quality education remotely.

Modern technologies have resulted in **Collaboration and communication.** Modern technologies such as video conferencing, messaging, and social media platforms are enhancing communication and collaboration between teachers, students, and parents, breaking down geographical barriers and expanding educational opportunities. Modern technologies in education have resulted in Gamification and simulation: Gamification and simulation-based learning can enhance engagement and motivation among students, making learning more engaging and memorable. Digital content and resources have taken a leap. Modern technologies are enabling the creation and dissemination of digital content and resources that are accessible anytime and anywhere. This allows teachers to use a wide range of multimedia materials to enhance the learning experience and make it more interactive. In summary, modern technologies are transforming the future of teaching by enabling personalized learning, expanding access to education, fostering collaboration and communication, enhancing engagement and motivation, and providing access to a wealth of digital content and resources. This study is based on secondary data and existing literature available on reliable platforms.

Keywords: Teaching, Personalized Learning, Online Learning, Blended Learning, Gamification, Educational Technology.

"Modern technologies are shaping the future of teaching."
- Anonymous

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Paper ID: 2991

Relevance of Studying in Mother Tongue in Shaping the Child

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Abstract

Purpose: Language plays an important role in learning as it is the language items (LSRW) which opens the doors to enter the vast concepts of other subjects. In this regard, learning through Mother Tongue is quite a natural way. The baby from the very birth starts listening to a particular language (Mother Tongue) and consequently starts uttering the same language after a few months and all this happens naturally without any effort. So in schooling, if the child is given ample opportunity to learn in his own Mother Tongue (especially L2 learning), the learning will become easy and accessible.

Design/methodology/approach: For second language acquisition i.e. English, the author has formulated an idea of mother tongue interference through preparing specialized worksheets which further took a form of a bridge course book for English reading named 'Touch English'. In this project, special practice sheets using mother tongue a tool as scaffolding are prepared and at the very next page of practice sheet, there is an assessment sheet to check the progress simultaneously. This approach is applied using the methodology of playing language games. Moreover, student autonomy and the ZPD (Zone of Proximal Development) are specially taken care of.

Findings: After applying the worksheets based on mother tongue scaffolding in learning English Language, it is found that most of the students start taking interest in English reading and they voluntarily took active participate in language games. In the beginning before starting this approach, out of the 45 students, only 40% students were able to read which now has reached to nearly about 77%. Moreover, the students who were earlier not interested in reading their syllabus textbook has now themselves started picking out and reading English Story Books from school library for amusement. Their self confidence has also built up.

Research limitations/implications: Though, this research is very useful for teaching or learning second language through Mother Tongue, yet it has some limitations. First, this approach is not applicable on such learners who are even not proficient in their mother tongue. Second, it is not applicable on some special categories under CWSN children. Third, the language games methodology is also not possible in overcrowded classrooms. Fourth, this approach is a continuous process so it cannot get good results from regular or long absentee learners.

Originality/value: The most useful and unique work of this research is listing 100 root words which covers the 50% reading of any text. In NCERT Primary English textbooks from Class 1 to 5 have total 19754 words in all, out of which 10299 (52.14%) words are only these 100 root words. So it clearly indicates that just learning these 100 root words, the learners will be able to read approximately 50% words of any text. This list also got place in World's Greatest Record Book in 2022 for its universality and uniqueness.

Keywords: Mother Tongue, Second Language Acquisition, Scaffolding, Zone of Proximal Development (ZPD), CWSN Children.

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Paper ID: 5552

Advances in Chemical Science and Technology

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Abstract

Advances in chemical science and technology have brought about numerous breakthroughs and innovations that have transformed various industries. This field encompasses a broad range of sub-disciplines, including materials science, environmental chemistry, biochemistry, and nanotechnology, among others. One of the significant achievements in chemical science and technology is the development of new materials with advanced properties, such as high strength, durability, and thermal stability. These materials have a wide range of applications, including in the aerospace, automotive, and construction industries. Environmental chemistry has also made significant contributions to society by addressing challenges related to pollution and climate change. Scientists have developed new technologies for wastewater treatment, air pollution control, and renewable energy production. In the field of biochemistry, advancements have been made in the development of new drugs, vaccines, and diagnostic tools for various diseases. The use of gene editing technologies and CRISPR-Cas9 has also revolutionized genetic research and gene therapy. In field of gene editing, I have conducted research and found some astonishing facts such as we can grow plants in artificial violet and white light way better than the natural sun light and we can also regroup and regenerate the extinct plant species from existing similar plant breeds. We can give new properties to existing plants like longer life and resistance to bacteria and viruses. Nanotechnology has also emerged as a promising field in recent years, with the potential to revolutionize various industries such as electronics, medicine, and energy. Scientists have developed non materials with unique properties, such as high surface area and catalytic activity, which have various applications. Overall, the continuous advancement in chemical science and technology is opening new frontiers in various fields, and the potential for future breakthroughs and innovations is immense.

Keywords: Chemical Science, Technology, Breakthroughs, Innovations, Aerospace, Automotive, Construction, Gene Editing, CRISPR-Cas9.

"Mother tongue is the cradle of a child's intellect."
- Anonymous

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Paper ID: 2897

Revolutionizing the Future Dimensions of Teaching through Modern Technologies

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Abstract

This paper is to propose that modern technologies have great impact in context of revolutionizing the future dimensions of teaching. The primary purpose of teaching is to guide and support learners in their educational journey. Teaching and learning encompass various dimensions that includes cognitive, affective, social, physical, technological, cultural, assessment etc. These dimensions contribute to the overall educational experience. These dimensions provide a comprehensive framework for understanding the multifaceted nature of the teaching-learning process. These dimensions are interconnected and interdependent, influencing each other in the teaching-learning process. A holistic approach to teaching and learning considers and addresses these dimensions to create a comprehensive and enriching educational experience. By recognizing and integrating these dimensions, educators can create engaging, inclusive, and effective learning environments that cater to the diverse needs and aspirations of students. Technologies play a significant role in shaping the future dimensions of teaching. With the rapid advancements in technology, educators are now able to enhance the learning experience, engage students more effectively, and provide personalized education. Modern technologies play key roles in revolutionize the future of teaching by enhancing accessibility, personalizing learning experiences, promoting interactivity and collaboration, providing access to diverse resources, offering data-driven insights, and enabling lifelong learning opportunities.

This paper addresses that by embracing the various modern technologies, educators can create a more inclusive, engaging, and effective educational environment for students, preparing them for the challenges and opportunities of the future. It focuses on the mechanism that by recognizing and integrating the said future of education dimensions, educators can create engaging, inclusive, and effective learning environments that cater to the diverse needs and aspirations of students.

Keywords: Educational Experience, Accessibility, Personalized Learning, Interactivity, Data-driven Insights.

"Chemical science and technology are advancing the world."
- Anonymous

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Paper ID: 7415

Mini Forklift Robot Control Design Using Microcontroller for Industrial Applications

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Abstract

This paper describes the hardware implementation of a miniature forklift robot to pick up objects from a base and place them in a designated storage slot. A standard smart phone with an installed android app served as the hardware for transmitting commands to the microcontroller. The precise calibration of the driving component's power requirements and location as well as the electric signals is required by means of microcontroller programming. The manual work can be replaced by proposed work. Further, storing and arranging goods can be done automatically in short time and cost effective manner. This can reduce the manual cost with higher logistics efficiency.

Keywords: Mini Forklift Robot, Microcontroller, Industrial Applications, Hardware Implementation, Microcontroller Programming, Logistics Efficiency.

"Modern technologies are transforming the future of education."
- Anonymous

4.2 Projects

Ladies and gentlemen, welcome to Session 2 of the शिक्षा महाकुंभ, a realm where human creativity, innovation, and artistry converge to shape the future of education. In this enchanting world, we are about to embark on a journey that celebrates the ingenuity of the human spirit. As the curtains rise, we find ourselves at a remarkable crossroads, where three captivating categories await our exploration.

Category 1 - Showcase: Here, we are introduced to nine pioneers of innovation, each presenting a project that has the potential to transform the landscape of education. Their passion and dedication are poised to inspire, igniting our imaginations and expanding our sense of what's possible.

Category 2 - Project Ideas: In this realm, we encounter eighteen dreamers, thinkers, and visionaries, each with a project that could redefine how we perceive education. These ideas span from the practical to the revolutionary, but they all share a common thread - a commitment to making education more accessible, brighter, and better for all.

Category 3 - Artwork: Amid the sea of ideas and innovations, art takes center stage, adding a touch of aesthetic brilliance. Twenty-two students unveil their creations, and in each piece, we witness a unique story, a reflection, and a powerful statement that resonates through the corridors of education. These artworks remind us that learning encompasses more than mere facts and figures; it is a canvas for human expression.

As we embark on this journey through Session 2, we are not merely spectators but participants in a celebration of human potential. It is an exploration of the boundless opportunities that education offers and a testament to the limitless capacity of human creativity. Welcome to a session that transcends its name; it's a celebration of the possibilities that education holds for us all.

SECTION - II
PROJECTS

CATEGORY 1
PROJECTS SHOWCASED

1
E-Cycle

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E-Cycle is a bicycle with an integrated electric motor that can be used for propulsion. It consists of a lithium-ion battery of 24 V and a BLDC motor of 250 W. The maximum time required to charge the battery is 145 min, and the mileage is 25 km. It can attain a maximum speed of 25 km/h. The cycle is eco-friendly and does not need any fossil fuel.

Keywords: Electric Bicycle, Lithium-ion Battery, BLDC Motor, Eco-friendly, Propulsion.

"E-cycles are the future of sustainable transportation."
- Anonymous

2
Blaze Gen 1

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It is a safety device that can predict gas leaks like carbon monoxide, Methyl Isocyanate, sulfur dioxide, L.P.G., or fires at factories, offices, warehouses, and numerous other places. The MQ2 gas sensor detects the composition of gas in surrounding air along with the type of gas.

Everyone has heard of the Bhopal gas tragedy, the worst commercial accident in the world that killed about 3800 official deaths and affected 5.58 lakh people, people who survived were left with diseases like cancer, asthma, and numerous others. You might have heard of the Beirut port blast in Lebanon that killed 200+ people and injured 7000+ people. Every day we read about fires at commercial factories at night that destroys stocks worth billions. But What if we propose that the damages caused by such disasters could have been minimized. So, we present our product, blaze gen 1: the lifesaver. Our device is a safety device that can predict gas leaks like carbon monoxide, Methyl Isocyanate, sulphur dioxide, L.P.G., or fires at factories, offices, warehouses, and numerous other places. You must be wondering how our device works, so let me explain-

1. MQ2 gas sensor detects the composition of gas in surrounding air along with the type of gas.
2. It then sends the data (gas composition, type of gas, etc.) to a local domain with the help of Nord MCU.
3. The user is asked for a final confirmation before initiating the emergency protocol (if we want to cancel the emergency protocol, we need to add a unique pass code. Moreover, if no input is received within 30 seconds, then the program will automatically initiate the protocol).
4. In the emergency protocol, there are various functions- an emergency evacuation alert is issued, and all the workers are asked to evacuate the factory immediately. The device helps the workers in evacuation by showing a safe evacuation passage.
5. All the electricity will cut off (except the supply for safety devices) to prevent any explosion.
6. An S.O.S. signal is sent to emergency services that brief them about the situation so they can come prepared accordingly and has other details like the location of the gas leak, etc. Our

Fig.5.1. Blaze Gen 1

device has many advantages; it can provide a safer working environment, it can reduce the aftermaths of any further Bhopal disaster, and it will save factory/warehouse billions as if authorities get notified on time, they can control the fire and prevent their stock from burning. So now let us talk about the cost of this device; our device will cost approx. ₹12,000 per two hundred square feet as we will create a grid of blaze one so it can monitor the factor The final cost for the consumer may seem high, but it can also save them much more. Finally, it can save invaluable lives, so with this; we can revolutionize the safety standards of commercial spaces.

Keywords: Gas Leak Detection, Emergency Protocol, Worker Evacuation, Safety Device.

"Blaze Gen 1 is the dawn of a new era in technology."
- Anonymous

3

Varun

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The project aims to automate the water cooler system to improve energy efficiency and ensure the quality of drinking water. It includes various features such as temperature control, TDS monitoring, and more.

The current system runs continuously, even when the water is already cold enough to drink, leading to unnecessary energy consumption. To address this, the project utilizes temperature sensors and an Arduino Mega microcontroller. When the water reaches the desired temperature, the Arduino Mega sends a signal to turn off the cooler until the water temperature increases by 2 degrees Celsius. This cycle helps reduce power consumption by approximately 40 to 50 percent. Additionally, a switch integrated into the mechanical arm that raises the cooler tank is used to turn off the filter when the tank is full. When the water level decreases, the filter automatically turns on to refill the tank. The project also incorporates a TDS meter and probe to monitor water quality. If the TDS value exceeds a safe level, a notification is sent, and a red light indicates that the water is not suitable for drinking. On the other hand, if the water is safe, a green light signifies its purity. The system also includes an RTC (Real-Time Clock) to track time and automatically turn on the cooler and filter half an hour before office hours begin and turn them off 30 minutes before the end of office hours. Any remaining water in the cooler after office hours is directed to a wall garden, promoting air quality improvement, water conservation, and adding aesthetic appeal. The wall garden incorporates plants such as succulents, air plants, epiphytic ferns, bromeliads, vertical herbs, and climbing vines. The project also integrates with Google Calendar to receive inputs regarding holidays and working hours, ensuring efficient use of the system.

Keywords: Water Cooler Automation, Temperature Control, TDS Monitoring, Real-time Clock, Water Conservation.

"Varun is the embodiment of innovation."
- Anonymous

4
Roselle

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Roselle is a social welfare start-up aimed at empowering visually impaired individuals through the use of smart technology and innovation. Their flagship products include the ROSELLE Smart Stick and the ROSELLE Smart Cap, designed to help visually impaired individuals navigate their environment more easily and safely.

The Smart Stick incorporates modern and high-fidelity components, including obstacle detection and water sensors, to aid in daily routine tasks and address day-to-day problems. The Smart Cap uses computer vision and artificial intelligence to recognize objects and provide audio feedback to the user, while also incorporating built- in GPS technology to provide real-time location information. Our project has already received recognition for its impact, winning several awards, including ranked top at "INNO-TECH 23 and INNOVWAVE 23". We have also received orders for 50 Smart Sticks from Government Authorities and NGOs and have gathered feedback from individuals who have been helped by our devices.

Keywords: Smart Stick, Smart Cap, Visually Impaired, Artificial Intelligence, GPS Technology.

"Roselle is a symbol of sustainability."
- Anonymous

5

Detection of Infection in Blood Using Artificial Intelligence (AI)

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This project focuses on using AI to detect bacterial/viral illnesses in blood, providing faster and more accurate results compared to traditional methods.

The Detection of Bacterial/Viral illness in blood is a crucial application of Artificial Intelligence (AI) in medicine. Traditional methods of detecting bacterial or viral infections in blood samples can be time-consuming and prone to errors. However, AI-based detection can provide faster and more accurate results. AI algorithms can identify patterns and trends in large amounts of data collected from various sources, such as images and medical records and data provided by incidents. This data can be used to develop models that can predict the presence of bacterial or viral infections with high accuracy. These models can also be used to track the progression of infections and help in the development of targeted treatments.

Keywords: AI-based Infection Detection, Bacterial/Viral Illnesses, Medical Diagnosis, Faster Results, Targeted Treatments.

"Artificial intelligence can detect the unseen."
- Anonymous

6

Water Purification

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The water flows through the first glass from big rocks and then the second glass from small rocks, and then the third glass from cotton. After this process, the water flows through a pipe and comes out in an empty glass, demonstrating how it gets purified and how it works.

Deoxygenated blood comes in to the right autrium of the heart and right ventricle of the heart. Heart pumps it in to the lungs. The alveole of lungs purify the blood. Then oxygenated blood comes into the left auricle and left ventricle of the heart. Then heart pumps the pure blood into the body.

Keywords: Purification Process, Water Treatment, Deoxygenated Blood, Oxygenated Blood, Heart Function.

"Water purification is the key to a healthier world."
- Anonymous

7
Energy Harvester

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Objectives

My project energy harvester aims at solving the problem of scarcity of electricity in remote and disaster affected areas, and also aims to become a better alternative for electricity production. It uses renewable and abundant resources like wind, water and sunlight. This can help reduce dependence on non-renewable resources. It can significantly prove as a medium which can provide constant supply of energy at lower costs. Its core structure can be made utilizing waste material (like plastic, cardboard, nails, sheets etc.) Hence facilitating eco - friendliness.

Methodology

2 Solar panels (pv / photovoltaic cells) and some piezoelectric (about 7-8) are arranged in a structure. The structure is that photovoltaic cells are suspended from a rotating circular surface in opposite directions. Above the surface piezoelectric lie connected to a sheet so that pressure from rain gets distributed among piezoelectric and they generate electricity. Beneath the point of connection of photovoltaic to surface, there are piezoelectric placed, so that when wind blows then movement in PV cells implies pressure on piezoelectric. All these piezoelectric and pv cells are connected to a battery.

Keywords: Renewable Energy, Wind and Solar Power, Piezoelectric, Energy Efficiency, Eco-friendly.

"Energy harvesting is the path to a sustainable future."
- Anonymous

8

VBLOM - Value based Learning of Mathematics

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VBLOM Value-based Learning of Mathematics - Graphical App that Teaches you Maths in the Best way by Vedic Maths

Introduction

Vedic maths is the traditional Indian knowledge. Vedic Mathematics is a collection of Techniques/Sutras to solve mathematical arithmetic in easy and faster way. The techniques of Vedic maths, helps the students/individual to make the calculation faster and with minimum efforts. For example, Shakuntala Devi was an Indian mental calculator and writer, popularly known as the "Human Computer". Her talent earned her a place in the 1982 edition of The Guinness Book of World Records. In spite of many benefits of Vedic Maths, school children are majorly unaware of the learning techniques of Vedic maths. The Vedic maths are need to part of school curriculum so that it can benefit mass students.

Problem Identification

In today's lifestyle people confuse in maths a lot and some people do not even study maths and there is an a easy and better way to learn it through Vedic sutras, but there are no readily tools available so people avoid it. It is also proven that, children learn faster when they play, as they enjoy the playing more. This concept of learning while playing is well adopted in western world. Vedic maths is an Indian system of value based learning of concepts of mathematics, thus there is also a need to develop a game based approach to teach techniques of Vedic Mathematics to Indian and world students.

I have developed a concept of game based learning using the graphical app for Vedic maths teaching. My idea is VBLOM stands for value-based learning of maths. Values-based Education is an approach to teaching that works with values. It creates a strong learning environment that enhances academic achievement and develops students' social and relationship skills that last throughout their lives.

Innovative Solution

VBLOM basically helps you to learn Maths by Vedic Maths in a fun way It also have some tests and fun quizzes to make you feel comfortable with Vedic Maths and to use it .

It has three advantages that as follows:

- ❖ It helps you learn Vedic Maths
- ❖ It helps you learn Maths and love Maths.
- ❖ It helps you in exams to make Maths easier and you can do it faster by it.

Development and working of the VBLOM

VBLOM is a graphical app, developed on the software development platform, scratch (https://scratch.mit.edu). The reason for choosing Scratch is, it is a coding community for children and a coding language with a simple visual interface that allows young people to create digital stories, games, and animations. Scratch promotes computational thinking and problem solving skills; creative teaching and learning; self-expression and collaboration; and equity in computing. Scratch is always free and is available in more than 70 languages.

The VBLOM is developed on scratch, there are different screen or pages for children to interact with

the Vedic maths sutras. It starts by the loading the screen , and you can do learn maths anytime any day even it doesn't have time limits . Click the lessons that you see on the screen and it have quizzes that you can do later after you finish your lessons / after understanding the lessons and thus that's how it works.

VBLOM Learning Tools

You can open VBLOM software in many devices such as laptop, computers, mobile, iPad, and tabs and many more.

Keywords: Vedic Mathematics, Math Education, Game-based Learning, Scratch Platform, Customized Learning.

"Value-based learning of mathematics is the way forward."
- Anonymous

9

Electricity Wireless Transmission

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Wireless Electricity Transmission: *"Tesla Coil"*

Our project is based on wireless Electricity Transmission named "Tesla Coil". This device transfer electricity wirelessly to other electronic appliances by the medium of Electromagnetic Waves. This concept was given by one of the great scientists of 20th Century **"Sir Nicola Tesla".**

Working: In Tesla Coil, we are using 18V battery, Two Resistors of 2.2K resistance each connected in series, a Transistor 2n3055, a secondary and primary coil of copper wire. When we on the switch, the current flows from battery through resistors and transistor, resistor reduces the flow of current so that parts of circuit will not overheat. The Tesla Coil Works with the principle of Electromagnetic Induction. According to which, when a conductor is placed under varying magnetic field, a small current will be induced inside the conductor. For a Tesla Coil this conductor will be called as the secondary coil and the varying magnetic field will be produced by the primary coil by passing an oscillating current through the primary coil. So, with this arrangement we have a primary coil which will have an oscillating current, and hence will produce a carrying magnetic flux around it. Now, this coil is wound around the secondary coil and hence according to law of electromagnetic induction, a voltage will be induced in the secondary coil. Since the number of turns in the secondary coil is very large then primary coil, this voltage will be very high voltage and hence this coil will have a very strong electric flux around it which is Powerful enough to glow normal CFL bulbs and is used in Wireless Electricity Transmission.

Applications: It is used to produce high - voltage, low – current, high frequency alternating – current electricity. Today, their main use is for entertainment and educational displays, although small coils are still used as leak detectors for high vacuum system. This concept is also used in modern wireless chargers.

Keywords: Tesla Coil, Wireless Power Transfer, Electromagnetic Waves, Nikola Tesla, High-voltage Alternating Current.

"Wireless electricity transmission is a game-changer."
- Anonymous

CATEGORY 2
PROJECTS IDEAS

1
Understanding the Causes and Impact of Plant Diseases

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An Investigation into Physical, Environmental, Bacterial, and Viral Factors Leading to Plant Decline Plant diseases have a significant impact on agricultural productivity and ecological balance. This research report aims to investigate the causes and impact of plant diseases, focusing on physical, environmental, bacterial, and viral factors that contribute to plant decline. The study encompasses an extensive analysis of various plant pathogens and their interaction with susceptible plant hosts. By understanding the underlying mechanisms of plant diseases, valuable insights can be gained to develop effective strategies for disease management and crop protection.

Introduction: The introduction section provides an overview of the significance of plant diseases and their consequences on global food security and environmental sustainability. It highlights the need to investigate the causes of plant diseases and their impact on plant health and agricultural systems. The research objectives and the importance of studying physical, environmental, bacterial, and viral factors in relation to plant decline are outlined.

Literature Review: The literature review presents a comprehensive analysis of existing research and scientific literature related to plant diseases. It examines studies that have explored physical factors such as mechanical damage, soil conditions, and climate stressors. Additionally, it delves into the impact of environmental factors such as temperature, humidity, and light intensity on plant susceptibility to diseases. The review also encompasses an in-depth analysis of bacterial and viral factors that contribute to plant decline, highlighting their mechanisms of infection and spread.

Methodology: The methodology section outlines the research approach employed in this investigation. It describes the collection and analysis of plant samples from diverse agricultural regions, including controlled experiments and field surveys. Various techniques, such as molecular diagnostics and microscopy, are utilized to identify and characterize plant pathogens. Statistical analysis is applied to determine the relationship between different factors and plant decline.

Discussion: This section presents the findings of the research study, including an analysis of physical, environmental, bacterial, and viral factors contributing to plant diseases and decline. The results highlight the prevalence of specific pathogens and their impact on different plant species. The discussion interprets the results, elucidating the mechanisms by which pathogens interact with plants and the resulting consequences. Furthermore, the implications of the findings for disease management and crop protection strategies are explored.

Conclusion: The conclusion section summarizes the key findings of the research and their significance in understanding the causes and impact of plant diseases. It emphasizes the importance of considering physical, environmental, bacterial, and viral factors in comprehensive disease management approaches. The research contributes to the existing body of knowledge on plant diseases and provides a foundation for further investigations and the development of sustainable strategies for plant health preservation.

Keywords: Plant Diseases, Environmental Factors, Bacterial and Viral Pathogens, Disease Management, New Education Policy 2020.

2
Smart Multifunctional Lecture Stand

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The Project is an IOT-based smart multifunctional lecture stand, which can be installed in the classrooms for the best technical support for a teacher. LED screen is mounted on the front of the stand to project the display of the in-built CPU. Sound speakers are connected on the front side. On the back side, one more screen is provided for showing the display to the teacher. LAN port, HDMI port, VGA port, USB port, AUX-in port, and MIC system are also provided for ease of teaching on the back side of the stand. A mobile stand is also given on the back side of the design. RFID card reader and fingerprint reader are provided on the back of the design for security access of teachers. SOS button is also provided alongside a card reader for raising the alarm in emergency situations. Storage space for teachers is given on the back side of the system to keep bags etc. Control buttons for the height adjustable feature are also been provided on the right side of the design. On the left side of the design, a fingerprint module is provided for students. The power cable for inbuilt UPS charging is given on the right side of the stand. For quality education to students it's a good aid to add technology to education.

Keywords: IoT-based Lecture Stand, Interactive Display, Sound System, Security Features, RFID and Fingerprint Readers.

Fig.5.2. Smart Multifunctional Lecture Stand

"Smart lecture stands are the future of education."
- Anonymous

3

Prevention of Food and Paper Wastage in University Canteens and Mess

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Problem Statement

The existing hostel mess access system relies on inefficient and error-prone paper cards, causing inconvenience to students and staff. These paper-based cards not only create environmental waste but also hinder efficient attendance tracking and food management. The manual entry process for hostel attendance is time-consuming and prone to inaccuracies. Additionally, there is no provision for adjusting food expenses when students are on vacation. This results in both foods wastage and administrative challenges.

Solution

Our solution revolutionizes hostel mess access management by introducing a cutting-edge barcode-based system seamlessly integrated with the existing university ID cards. At its core, our method leverages Automatic Identification and Data Collection (AIDC) technology to streamline and enhance the entire process. As students enter the mess, they simply scan their ID cards, eliminating the need for cumbersome paper cards. This expedites access and drastically reduces paper wastage, aligning with environmentally sustainable practices. The real-time data captured during entry is transmitted to a cloud-based database, allowing for efficient tracking of mess usage patterns. This invaluable data empowers hostel staff to optimize food preparation, minimizing both wastage and inconvenience to students. Moreover, the system eases the manual attendance marking process, freeing up staff resources and ensuring verifiable attendance records. Hostellers can also make provisions for holidays or vacations, preventing unnecessary food charges. The solution also provides an admin portal for hostel wardens, granting them insights into student behaviour and meal trends. This barcode-based system represents a cost effective, eco-friendly, and user-friendly alternative to traditional methods, enhancing the overall hostel experience for students while optimising operational efficiency.

Keywords: Mess Access System, Barcode-based System, Paperless Attendance, Food Management, New Education Policy 2020.

"Preventing wastage is the essence of sustainability."
- Anonymous

4

Start Up For Customized Accessories "SNDUK JEWELS"

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SNDUK Jewels is a customized jewellery making start-up where a customer can customize their jewellery design and they are delivered the jewellery of their design. We wish to start business on customized accessories like custom made jewellery, purses and other small items First of all, we will start with the making of artificial jewellery where we can offer desired color combination and design as per choice of customers. We wish to embrace their thoughts in our skill for satisfying their hearts The business will be online. A website/app will be provided where the person can draw a virtual design using different beads and design tools This will finally grow to imitate jewellery, semi diamond jewellery and later on we wish to extend it for other accessories and small utility items where people can tell their requirement and we will design it for them We have started an Insta account "https://www.instagra m.com/snduk_j/"

Keywords: Customized Jewelry, Online Business, Jewelry Design, Sustainability, Social Media Marketing.

"Startups like SNDUK JEWELS are shaping the future of fashion."
- Anonymous

5

Transforming Education and Empowering Minds with CJAN

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The landscape of education is continuously evolving, driven by advancements in technology and changes in pedagogical approaches. CJAN, an emerging online learning platform, is at the forefront of this transformation, aiming to revolutionize education in line with the New Education Policy 2020. This abstract outlines CJAN's commitment to creating a comprehensive learning environment that empowers students to unlock their full potential.

CJAN's approach is grounded in the principles of accessibility, adaptability, and engagement. By harnessing cutting-edge technologies, the platform offers a dynamic and stimulating educational experience, bridging the divide between traditional and modern education paradigms. The New Education Policy 2020, with its emphasis on holistic development, skill enhancement, and multidisciplinary learning, serves as a guiding framework for CJAN's educational initiatives.

Key components of CJAN's transformative strategy include personalized learning pathways, interactive content, and real-world application of knowledge. Through data-driven insights and adaptive learning algorithms, CJAN tailors educational resources to individual student needs, ensuring that no learner is left behind. The platform fosters engagement through multimedia content, gamification, and collaborative learning experiences, making education more enjoyable and effective.

Furthermore, CJAN recognizes the importance of educators in this transformational journey. The platform provides a supportive ecosystem for teachers, enabling them to adapt to new teaching methodologies and incorporate technology seamlessly into their classrooms. This collaborative approach aligns with the New Education Policy's vision of empowering educators to act as facilitators of learning.

In conclusion, CJAN's mission to transform education is not merely a slogan but a well-thought-out strategy aimed at aligning with the New Education Policy 2020 and fostering holistic development in students. By offering a comprehensive, engaging, and adaptable learning environment, CJAN seeks to revolutionize education and empower minds to thrive in an ever-changing world.

Keywords: CJAN, Education Transformation, Personalized Learning, Adaptive Learning, Engagement, Technology In Education, Educator Support.

"CJAN is empowering minds through education."
- Anonymous

6

Process of Generating Electricity by Hay Bales

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This article explores the process of generating electricity using hay bales, focusing on the utilization of straw as a renewable resource. It discusses the advantages of straw-based energy generation compared to fossil fuels, emphasizing the local economic benefits it offers. The concept of heat and power plants powered by straw is introduced, with a particular emphasis on the developments in Denmark and Germany in this field.

The article delves into the unique requirements of burning straw, such as its low ash-melting point and the need for specialized technology to prevent corrosion and slagging. Site requirements for a straw power plant are outlined, including storage areas and plant layout.

The core technology of a straw-fired power plant is presented, based on the Clausius Rankine process. It describes how straw is burned in a boiler, producing high-temperature steam used to generate electricity via a steam turbine. The article also highlights the cleaning and disposal processes for ash and emissions.

The flexibility of straw-fired power plants in providing both electricity and heat is discussed, with potential applications in industrial processes and heating grids. Additionally, the reuse of straw ash as fertilizer is emphasized as a sustainable practice.

In summary, straw-fired power plants represent an environmentally friendly and sustainable technology with the potential to reduce reliance on fossil fuels, stimulate local economies, and contribute to a greener future.

Keywords: Straw-based Energy, Renewable Resource, Straw-fired Power Plants, Sustainable Technology, Ash Recycling.

"Hay bales can generate electricity for a sustainable future."
- Anonymous

7

Recycling of Polymer

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The idea is to recycle thermacol to waterproof the ceiling and use it as glue, recycle plastic to burn fuel, baggage (natural polymer) to generate electricity and to make fuel for vehicles. I have made a science model Recycling of polymer in which I have many ideas for it. We can't ban plastic but we can minimize its use. 1st, Plastic can be recycled and can be used as fuel. 2ndly, We know Thermocol can't be recycled but I've an Idea to use Thermocol for waterproof the ceiling and also it can be used as glue. This can be done if we dissolve Thermacol in Petrol or Acetone. After dissolving a thick paste is made which I put on a strainer after letting it dry ,I put water on the strainer and water was not passing through it. here strainer represents ceiling. 3rd, Natural polymer like baggage Can be converted to ethanol and can be used as power fuel for vehicles. By doing fermentation at large scale. 4th,This natural polymer (Baggage) can also be used to generate electricity by producing methane gas from it. These ideas are currently being used all over the world. But idea of Thermacol reuse is my own.

Keywords: Polymer Recycling, Plastic Waste, Straw-based Fuel, Fertilizer From Ash, Sustainable Practices.

"Polymer recycling is the key to a cleaner world."
- Anonymous

8

Magno Dynamics

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The Magnetic Cleaner is a device that is used to clean with the help of magnetic repulsion. It consumes zero electric energy and fuel energy. It also has no requirement for a workforce after it starts. For example, according to the Big Bang collision theory, our sun spilled into many pieces. Earth is one of them. After a long time, Earth has cooled down but the inner core of the Earth is still hot i.e., known as magma. It is liquid in state and extracted in the form of Lava during a volcano eruption and is magnetic in nature. According to a theory, Magma is responsible for Earth's gravitation. Our Sun also has gravitational properties. It is responsible for the Earth's rotation around the Sun and creates a perpetual motion between the Earth and the Sun. We also use Earth's gravitational field in the gravitational separation method and in Aviation Industries. But we are not able to turn it into perpetual motion yet. Whenever we are able to turn on these supernatural forces, we are able to make it clean and green. This is very helpful for our younger generation.

Keywords: Magnetic Cleaner, Magnetic Repulsion, Perpetual Motion, Gravitational Field, Clean and Green Energy.

"Magno Dynamics is shaping the world of technology."
- Anonymous

9

Project Online

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Abstract: Artificial intelligence (AI) is the ability of a computer or a robot controlled by a computer to do tasks that are usually done by humans because they require human intelligence and discernment. The emergence of AI in the world it also opens new gates towards the development of new Tech's in the military. Project online aims to create the suit which offers the inbuilt AI support that helps in better navigation on field and also help maintain the communication between ground troops and the base. Suit will provide HUD display which will provide support in navigating those places efficiently which were already traced or navigated by providing the inbuilt navigation tools. AI will help providing the medical guidance in the absence of medic to avoid getting into critical situation and if the person wearing the suit gets unconscious it will help the medical team to trace the injuries with the click of a button. Built in censors can trace out injuries in critical body part areas of the wearer.

Keywords: AI, Heads Up Display, Navigation, Graphical Position System.

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"Project Online is connecting the world."
- Anonymous

10

Scientific Innovation for Sustainable Development

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In this presentation, I will discuss scientific innovation for a sustainable future, emphasizing the importance of innovation in various fields and its role in achieving sustainable development.

Innovation is the practical implementation of ideas that create new goals or services. It plays a crucial role in technological advancements that contribute to the global world's development. Sustainable development is a concept that aims to meet the needs of the present generation without compromising the needs of future generations. However, achieving sustainability poses several challenges.

One critical aspect of sustainability is the environment. The climate system ensures the correct temperature and the right amount of solar energy in the atmosphere. Harmful greenhouse gases like carbon dioxide can disrupt this balance, leading to adverse effects on our environment and ecosystems.

Social progress is another essential component of sustainable development. Humans are not only part of nature but also valuable resources, capable of creating innovative solutions. To achieve the best version of ourselves, we need to focus on equality, education, safety, and access to proper food and medicine.

Economics plays a significant role in sustainability. Fair distribution of natural resources and creating systems that benefit everyone are crucial for a sustainable future. The United Nations has laid out a joint plan for sustainable development, addressing various issues, including plastic pollution, global warming, and clean energy solutions.

Several innovative solutions have emerged to combat these challenges. These include super worms that can eat plastic, magnetic levitation trains, artificial trees to trap carbon dioxide, and technologies that harness clean energy from ocean swells and rainwater. Additionally, scientists have developed bionic leaves that convert solar energy into liquid fuel and quantum-dot coatings that turn windows into solar panels.

Finally, I will discuss the 17 Sustainable Development Goals established by the United Nations. These goals encompass various aspects of sustainability, from poverty eradication to climate action and partnerships for achieving these objectives.

In conclusion, scientific innovation is pivotal in addressing the challenges of sustainability and achieving a better future for all. It is essential to continue exploring innovative solutions and working towards the Sustainable Development Goals to create a more sustainable and equitable world. Thank you for your attention.

Keywords: Scientific Innovation, Sustainable Development, Environmental Impact, Social Progress, Economic Sustainability.

CATEGORY 3
ARTWORK

1

World is Round

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SHORT STORY "WORLD IS ROUND" A girl named Akshara Sharma with dreams and aspirations found herself in an orphanage but not fortunate enough to have the joy of parents.

She believed that the only power to change the world is knowledge. She was a studious child from childhood and she came first in the state in her 10th boards, moreover she got admitted in IIT. She came across a NGO at IIT which was working for orphan children and she started working for the cause. Finally her graduation day comes and she was very much upset as she knew that no one from her family will come for this golden moment. The IIT also planned to honor CEO of NGOs on this occasion and one such NGO selected was BACHPAN with Mrs. Arohi Sharma as the CEO of this NGO .The most awaited day of her life has come when Akshara was honored with golden medal in her Bachelor's degree in CSE and the CEO of the NGO was also bestowed with guest of honor award. At the farewell dinner she gets a chance to interact with Mrs. Arohi Sharma, it was a coincidence and the CEO narrated how she lost her child and Akshara found that it was the same way she lost her mother and the similar incidence was told to her at orphanage but she did not reveal. Then while departing Ms. Arohi discovers a birthmark on her shoulder, the same as her little princess had after that she hugged her daughter. They started living together happily afterwards and working for their NGO BACHPAN together. Akshara takes it to new global heights with her unique ideas and excellent team work where she invents a band where the cries of a small child who cannot speak gets converted to some language through some coding and artificial intelligence so that if the child and mother are wearing this band and by chance if they are separated in a rush area then the small child can communicate with her mother. Ms. Arohi lost Akshara in a rush area and she could not communicate as Akshara started speaking very late, at the age of 7 years. BACHPAN is distributing these bands free of cost at global level so that no child should have to go to orphanage the way Akshara had to go.

"The world is round, and stories connect us all."
- Anonymous

2
Seruman: The friend of Trees

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Seruman: Surprised, but why? You have filled just the first 4 lines of the first page. Why waste the rest of the page and the back of that?

Rohit: We always do this.

Seruman: But when you love trees, how can you waste their sacrifice like this?

Rohit: It's only one page, and you are worrying too much.

Seruman: It's not just one page, it's one page in each notebook. A student will use around 20 notebooks in a year. There are 5000 students in this school. So they will use 1,00,000.00 notebooks and waste 1,00,000.00 pages each year. In India, 26.5 Crore students are studying in the schools. So they will waste 530.00 Crores paper each year.

Do you know, when one tree is cut, it is used to make 10,000 sheets of paper. So 530.00 Crores paper would require 5 lac 30 thousand trees. So just by saving one page, we can save 5 lac and 30 thousand trees per year.

Rohit: Seruman, we use paper to cover our copies and books. To save paper, we must avoid that also.

Seruman looked towards the torn gift wrappers and said: "Rohit, you know when I see paper wastage somewhere, I remember the time when the men were hitting the tree with axes. I feel so sad. Why does the man waste so much paper?"

Then he took the mike and said at the party, "I would like to wish Happy Birthday to my friend. I want to make his birthday a special oath day. The oath to reduce paper wastage. From today onwards, we will not use gift wrappers because it hurts our tree friends. Now we all promise to reduce the wastage of paper wherever we can do so. It's the best way to thank our mother earth also."

Everybody liked and clapped at this idea. Afterwards, they took an oath to reduce paper wastage.

Mam: What's the idea, Seruman?

Seruman: "In our school, the books of old students must be given to new students in a systematic manner. There should be a book exchange mela in each and every school. This mela would be for 4 days.

After results, all the students who pass out of odd-numbered classes like class 1, 3, 5, 7, 9, and 11 would bring their old books to the school for free or to sell as 2nd-hand books on the first 2 days. They will sit in respective classes along with their books. The junior students who are admitted to these classes will take the books from old students either free or at 2nd-hand prices.

On the next 2 days, all the students who pass out of even-numbered classes like class 2, 4, 6, 8, 10, and 12 would bring their old books to the school for free or to sell as 2nd-hand books and will sit in respective classes along with their books. Now the students who are admitted to these classes will take the books from old students either free or at 2nd-hand prices.

In this way, all the students would have the opportunity to make the best use of their old books. This

would also help in saving paper and the cost of books for parents. The students would also learn to take care of their books."

Mam: "This is a wonderful idea, Seruman. I shall talk to the Principal regarding this, and I am sure he would welcome this idea."

Principal gave the permission for this Book Exchange Mela, and all the parents and students participated and appreciated this idea.

"Seruman is a friend of trees, and nature's guardian."
- Anonymous

3

A Mysterious Story about the Myrtle's Plantation

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In the summer of 1939, a scientist with his daughter was searching for something new in the Phantom Lair Plantation. Suddenly, he jumped with joy as he had found something very precious indeed. It was a shining stone with a silver lining on it. But within 5 minutes of finding the stone, there came a man riding a horse and said, "Surrender yourself to him give him your life as you've been caught by phantom lair. He will not leave anyone." Scared by the words of the man in the white dress, the scientist drove back hurriedly and asked his wife to pack the needed material as they were leaving that place but it was too late.

30 YEARS LATER

Cleve Rhoshi was smoking a cigarette while traveling on a train and was caught by the train ticket collector. Cleave took out $20 and gave it to the ticket collector. The TT asked him where he was going, to which he answered that he was going to Myrtles. After hearing the name of that place, the TT was scared and gave a concerned look. He handed cleave his money back and said, "good luck, boy." Cleve was a teenager [17 years old] with an innocent face but deep inside he knew everything and was very clever. After hearing that phrase from TT, he felt strange and went near his mother, Zoe Rhoshi, to ask about the same.

Zoe Rhoshi - she was an independent lady working for the government of Brunei. However, she was a disgraced officer but had taken a case in Myrtles to vindicate herself, but Cleve did not know any such thing about his mother. "son, there's a multimillionaire project starting there and we are going there to look after it. There is going to be a mine and you will see a lot of new things. Don't listen and believe anything you hear," she said. "But mom, you are hiding something, just tell me," shouted Cleve angrily. "Cleave, shhh... Don't make a scene here, there is nothing like that." Cleve was disappointed after listening to her answer, and he went away.

The next morning, they had reached Myrtles station. It was a small village with occult practices and many superstitions. Since they had too much luggage to carry, they had to avail a cab. The cab driver was a special person. He was the only son of the man who rode the horse 30 years ago. The village was small and had no professional cab driver, so he was being sent by the village head to welcome the guests. Cleve wanted to know about the history of Myrtles, so he asked the driver about it. He spoke, "5000 years ago, there lived a king who clashed with his cousins for the throne. So, he formed a group known as Lairs, which had only 5 men, and the rival group known as Alastors, which had 500 people."

The eldest person of the Lair group had a son named Ridyasan and so as to win the battle against Alastors, he did black magic to gain control over their actions. He was a master of black magic. Within an hour, the whole army of Alastors was dead. But the Lair group feared that by using his black magic, Ridyasan would kill them also, so they killed him and put his coffin underground, and now that place is known as Myrtles. That's why people here fear to start any sort of mining work. "Just stop believing in those superstitions; otherwise, you won't be able to develop," Zoe advised. "But madam, these are not superstitions; it happens that's why we have to be careful to defend the people." The conversations continued, and they reached the house in which they were going to stay.

The village head was concerned as the mining work was about to start, and he didn't want it to happen. So, he called Zoe at his residence to have a brief deliberation about this issue. He said, "Miss, try to understand the thing; the spirit of Lair will not leave anyone if we try to take this bold step. 30 years ago, a scientist had tried doing something like this but lost his life, and I don't want this to happen with you." "Mister, don't you worry about me, nothing will happen. We will be starting the mining work tomorrow onwards, and right now, I am going to the inauguration ceremony of the site." The village head looked at her with eyes full of hatred as she stood up.

The next day after the inaugural ceremony, the mining work had started promptly. Two workers had gone inside the mine to look if everything was okay and the working conditions were good. But suddenly the cable that was attached with them somehow broke, and both of them fell down. Everyone panicked, including Zoe. She asked everyone to help them, but no one was coming forward as they were afraid of Phantom Lair. Then she herself went in and rescued them; three of them were then being hospitalized, including Zoe. The time went by, and the night darkened. It was all quiet ... very quiet indeed. One worker had already succumbed to his injuries while the other worker got up from his bed and started walking towards Zoe's room. The strange thing was that he was walking like a zombie when seen in the camera footage next morning by the authorities. But fortunately, he was not able to kill Zoe as she already escaped the hospital through the window when she saw the worker banging the door of his room loudly. But the main point of concern was the worker could not be seen anywhere, and he was a potential danger to the villagers as he was possessed. He had been running free in the village since morning and killed a woman, cattle, and a kid who were working in the field.

All the police officers, Zoe, and the village head were sitting in one room. The room was silent because of the fear of Ridyasan. The village head spoke, "I told this foolish lady not to start this work but she did, and now we have to go through this phase." "But sir, kindly try to understand that I don't believe in such superstitions, and all of this is an illusion." "See the audacity of this lady to say such things even after so much has happened already. Four lives have been lost in our village, and if one more dies, we will be forced to give an offering in the form of a sacrifice to Ridyasan, and that offering will be of this lady." He shouted. "Let me see, how you will do this to me," Zoe said while clenching her jaw.

Meanwhile, a scientist too was interested in solving the mystery of Ridyasan. So, he took the blood samples of the 4 deceased people and tested each of them separately. But surprisingly he found a pathogen in their blood samples and derived a conclusion out of it that there is a virus affecting the amygdala part of the brain and as a result, a person gets out of control and starts doing dangerous things. The scientist then tells this to the municipal corporation headquarters of the next town and tells them to seal the whole village so as to stop the expansion of the dangerous disease. However, the affected person was shot dead by the police officers as he was a potential danger to the people. The next day the news broke out and was published in the newspaper as **'THE GREAT MYSTERY OF MYRTLES SOLVED.'**

Cleve read that newspaper and showed it to his mother, and she was overwhelmed with joy but she read the last line of the article that 'BUT THE QUESTION IS WHAT IS THE SOURCE OF INFECTION?' Zoe was disheartened as only half of the mystery was solved, and half was left. She decided to unravel it herself.

She had no idea that from where the virus was spreading, but she thought and thought and got a clue that since all this is related to the mines, the mines may be the source of infection. So, she went inside the mine, searched ... searched and searched for about one month but could not find anything. But

one sudden day she saw a blue light coming from a point inside the mine. She just put her hand over the point, and the dirt suddenly vanished, and there was a humongous blue stone-like thing tied with the roots of an old tree. The scene was beautiful but remember, most beautiful things in nature and the most venomous ones. So, Zoe suspected that it might be the point of infection and immediately took out her lighter and set that place on fire.

She got out of the mine and immediately went to the doctor and thought that she might have been affected by the disease but the doctor said a no after examining her blood sample and said," Miss, you don't need to worry; you have a natural immunity against this unknown disease and by the way thank you for solving the half of the mystery." "OHH... now I see why I was alive even after coming in contact with the mine workers. Thank you also for solving half of the mystery, doctor." She had a good laugh with him and went back enthusiastically back to the village to tell the people that the mystery had been solved. After completion of the mining project and the establishment of the company Zoe and Cleve departed from the village to their hometown.

4

"My Grandmother"

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It is a story of how my grandmother loves and how she died.

Driving fast is never a good idea, but I was unhappy so I came from the hospital Because my grandmother was very sick, the doctor couldn't control my grandmother. I was unfortunate when I went by bike when I went to the town I saw the town was silent nobody was in the town it was the first time I had seen a town like this, in town my house was 2 km far from mine. I feel afraid when I going home, I saw the lion. He was hungry, injured from his foot and crying too much. I stopped the bike and took the first aid kit from the bike, but I was terrified. When I reached his foot, I spread betadine on his foot and sealed it with the cloth. He was comfortable and settled then I gave him the food which I got from the hospital. Then I picked up my bike and went home, I saw my wife was too much crying, so I hugged her and asked what had happened, then I dig the pit and put the coffin inside the cavity. This was a robust relationship with my grandmother. The night we went home, this night I didn't take the food and slept. My father was not cried, but he was sad inside. In the morning, when I woke up, I go for jogging; I saw my grandmother's soul. She was with my grandfather, who died in a fight in 1998; they both were smiling and gone.

"Grandmothers hold the wisdom of generations."
- Anonymous

5

Unveiling the Paradox of Me and You

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This poem explores the complexities of human relationships and the ever-shifting nature of identity. It oscillates between knowing someone deeply and questioning our understanding of them, highlighting the dualities we encounter in our connections. The poem suggests a fundamental unity between the speaker and the subject, emphasizing an ongoing journey of understanding that starts with "me" and ends with "you." Sometimes I feel I know everything about you, and sometimes I ask, "Do I even know a thing about you?" Sometimes you're the only person that matters to me, and sometimes I question your existence. Sometimes you're the beauty concealed in disguise, and sometimes you're the most condemned thing I've ever seen in life. They say you're him, you're her, you're this you're that. But, You're me, and I am you! You start with me, and I end with you!!

"The paradox of 'me' and 'you' shapes our world."
- Anonymous

6

Epiphany

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Just as the name suggests it's a poem by a teenager who's trying to make a huge difference against the world of body shaming and society's beauty standards that puts a huge toll on one's life as they try to fit in these standards set by the society.

In a world that measures worth by outward gaze, I stand as the protagonist, rewriting the page.
Bodyshaming's harsh whispers, they ierce like a knife, But I refuse to surrender, to diminish my life.

Society's standards, they dictate the mold, But I am more than a vessel, a story untold.
In a quest for acceptance, I've fought to belong, But now I declare, my own self I'll prolong.

For I am not defined by a number or size, Nor by opinions that seek to criticize.
In the mirror's reflection, I see my own grace, A soul that's unbreakable, finding its place.

I will not be silenced, my spirit won't wane, Embracing my uniqueness, breaking the chain. The curves and the edges, they tell my tale,
A journey of self-love, where I shall prevail.

I refuse to conform to society's demands, For beauty's diversity is held in my hands. In every freckle, scar, and curve that I bear,
I find strength and beauty, a love beyond compare.

So let them judge, let them cast their cruel gaze, I am the protagonist, setting ablaze
The shackles of bodyshaming, the whispers that bind, For I am a masterpiece, in body and mind.

To those who've felt the sting, the weight of their plight, Know you are warriors, you're worthy of light.
Stand tall, my dear protagonist, embrace your true self,

And let your story inspire, empowering wealth.

Together, let's shatter the chains that confine, Embracing our bodies, hearts intertwined.
For the beauty lies not in conforming, you see, But in the unique essence of you and me.

"Epiphany is the moment of revelation."
- Anonymous

7

Cherry on the Cake: Celestial Bonding

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"'Cherry on the Cake' is a heartfelt poem that explores the profound moments of connection, support, and tranquillity shared between two souls. It contemplates destiny, comfort during lows, understanding amidst obliviousness, and the joy of shared stargazing. The poem beautifully expresses the eternal significance of the beloved as the cherry on the cake of life."

Cherry on the Cake: Celestial Bonding
Cherry on the cake, were you already looking at me when I peeped to look at you?
Cherry on the cake, were you singing a song to me when I felt low?
Cherry on the cake was your cognizant nature to my oblivious self.
Cherry on the cake, were you standing by my side every time I felt anxious?
Cherry on the cake is how I rest my head on your shoulder while we stargaze.
And cherry on the cake is how you'll always be the cherry on the cake of my life.

"Cherry on the Cake symbolizes celestial bonding."
- Anonymous

8

Slum Adoption Initiative by Institutions

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A poem on how the school helps in welfare of the slums. Adopting a slum or helping people by going there gives a different pleasure to the mind. I am a student of St. Vivekananda Millennium School, HMT Township, Pinjore. I am studying here from KG class and now I am in 11th class. Our school is engaged in works like public welfare, human service. One of them is to go to the slum areas and do whatever is possible. We visit different slum areas of Panchkula district every year. There it does some service work through the following activities –

- Library on Wheels
- Blanket Distribution
- Food donation
- Physical Activities
- Health and hygiene awareness

I will present the work done under all these activities through a poem here. This is completely composed by me. In this, I will also express these excellent efforts being made by the school, as well as share my experience of going here. Going there, their difficulties are revealed that how five to seven people would live together in a small cell. How an ordinary laborer would nurture his family. Why the children living in slums would be deprived of education. The heart gets sad due to the feelings etc. Today, through you, I have got the opportunity to bring this feeling in front of everyone, I would like to take advantage of this opportunity so that others can be inspired and slum areas can be saved in the society.

आज एक आह सी महसूस हुई ,जब आढी तिरछी तंग गलियों से होकर गुजरे ,
क्या वो घर थे या काल कोठरी जहाँ ,कैसे ये नन्हें बच्चों का जीवन उभरे।
कैसे होता होगा इनका यहाँ लालन पालन ,कौन इनके नखरे उठाता होगा ,
कौन इन्हे रोज़ पौष्टिक आहारों व स्वास्थ्य से अवगत करता होगा।
कौन लाकर देता होगा इन्हे मन चाही चीजे, चाकलेट ,चिप्स और पकवान,
क्या इनके दिल में नही उठता होगा कभी अपनी कमियों को लेकर तूफान।
छोटे छोटे कमरे जिनमे सांस भी लेनी हो जाए दूभर ,
न शौच की उचित व्यवस्था न ही रहने खाने को भर पेट भोजन।
ऐसी स्थिति के सुधार का कुछ जिम्मा मेरे विद्यालय ने उठाया ,
पूरा संसार नही किन्तु फिर भी इनमें से कुछ सदस्यों को तो हर्षाया।
सबसे पहले हमने शीतकालीन सहायता से किया जन सेवा का काम ,
करें हर वर्ष केवल वितरण देते ठिठुरती सर्दी से आराम।
विद्यालय के हर बच्चे को शेयरिंग एंड केयरिंग का पाठ पढ़ाया ,

एक मुट्ठी दाल और एक मुट्ठी चावल लाने से दान का महत्तव समझाया।
यूं करते हैं हम वर्ष कंबल ,वस्त्र और साथ में अन्नदान,
निर्मल मन व उदारता से करें सहायता, न करते ये अभिमान।
दया नही सहायता करना और दान देना आँख झुकाये,
देने वाला होता भाग्यशाली सबको यही बात समझाएँ।
दूसरा कदम उठाया हमने किया यूं स्लम सुधार का काम,
लाइब्रेरी आन व्हील्स का सोचा बिलकुल नया प्रावधान।
अलग अलग क्षेत्रों में जाकर ,कहानी, चित्रकला की पुस्तकें हैं हमने बांटी,
प्राचार्य पीयूष पुंज जी के निर्देशन में हमने शुरू की शिक्षण की नई परिपाटी।
पुस्तके पाकर देखी जो इन नन्हें चहरों पर फैली मधुर मुस्कान,
एक संतोष सा आया मन में लगा कुछ तो किया नेक काम।
फिर सोच में इसके चलते थोड़ा और विस्तार हुआ,
शिक्षा के संग इनके स्वास्थ्य कुपोषण का आभास हुआ।
कराई इन्हे शारीरिक क्रियाएँ, स्वच्छता की भी दी जानकारी,
व्यायाम व कुछ साधारण खेलों से गूंजी इनकी किलकारी।
दिवाली, लोहड़ी के त्यौहारों पर ईक नई रीत अपनाई,
दीयों संग मिठाई और मूँगफली रेवड़ी भी बँटवाई।
यही छोटे छोटे प्रयासों से सिखाये जाते हमे बड़े काम,
सबके साथ मिल बाँट के खाओ यही हमारा आह्वान।
यदि हर संस्था उठा ले स्लम क्षेत्रों को सुधारने का बीड़ा,
नहीं रहेगी शायद इस धरती पर दुख व गरीबी की पीड़ा।
विवेकानंद स्कूल करता है विनती सबसे ,सब मिल कर आगे आओ,
जो संभव हो सकता है तुमसे उतना हाथ बंटाओ।
नही गोद ले सकते पूरा तो आंशिकता से इसे अपनाओ,
आओ आओ इस पुण्य हवन में एक आहुती तो दे जाओ।

"Slum adoption is an initiative of love and compassion."
- Anonymous

9

The Great

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The greatest poet ever remembered on the earth
Your poems were worship worth
You made your pen your weapon
Without you it would not have happened
Being the one who wrote India's fate
He is Aurobindo Ghosh the Great

You wanted to make world of your dream
In the darkness you were the beam
Like the sun you shone bright
You fought for Indian people's fight
Being the one who wrote India's fate
He is Aurobindo Ghosh the Great

Secularism and materialism were at its peak
Transcendental reality you emphasized to seek
Liberation of human race was your goal
You were the Indian literature's soul
Being the one who wrote India's fate
He is Aurobindo Ghosh the Great

A critic of capitalism and socialism
There was no parallel to your idea of patriotism
You remained luminous till the end of your life
And your principles of education will remain alive
Being the one who wrote India's fate
He is Aurobindo Ghosh the Great

"Greatness lies in the hearts of those who strive for it."
- Anonymous

10

माँ.....

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कोई कहता पर वो है माँ, तो कोई कहता है अम्मी,
पर वो है हम सब की प्यारी मम्मी ।
खुद को तो सजने-संवरने का ध्यान ना रहता,
लेकिन हमारे सजने-संवरने का ध्यान बहुत है रखती,
और वो है हम सबकी प्यारी मम्मी ।

है सुबह से दिन कब होती, उसे नहीं है पता चलता,
है श्याम से रात कब होती उसे नही है पता चलता,
उसे दिनचर्या का कुछ नही पता होता,
लेकिन फिर भी समय की तरह हमेशा चलती रहती,
और वो है हम सबकी प्यारी मम्मी ।

आती है वो भी बेटी बनकर, फिर किसी की बहन कहलाती,
फिर बनती है वो किसी की पत्नी फिर बनती है वो माँ,
उसके बाद कहलाई जाती है दादी,
लेकिन इन सब में बीत जाती है, उसकी जिन्दगी आधी,
और फिर कहलाई जाती है प्यारी मम्मी ।

कभी उसकी कही से उठती है डोली, तो कही से अर्थी,
लेकिन याद रखना वो हमेशा सबके दिल में जगाह बनाके है जाती ।
और वो है हम सबकी प्यारी मम्मी ।

सबकी मार सबके ताने वो है सहती,
फिर भी अपना दर्द किसी से नही है कहती,
और पावन गंगा की तरह हमेशा बहती रहती ।

11

Punjabi Song

Jossey
Shifaly International School, Ludhiana
lalnamdhari.sasrali@gmail.com

Fig.5.3. Still Photograph of Punjabi Song Sang by Jossey

12

Punjabi Group Song

Prabhnoor, Shaheen, Gitesh and Gurkirpal
Shifaly International School, Ludhiana
lalnamdhari.sasrali@gmail.com

Punjabi Group Song
"Heer"

Fig.5.4. Still of Punjabi Group Song "Heer" Performance

13
Painting

Sarthak Jain
DAV Public School, Pakhowal Road, Ludhiana
homesartak07@gmail.com

Fig.5.5. Art

14
Machine Learning Poster

Simran Ghatore
Khalsa Institute of Management and Technology, Ludhiana, Punjab
simranghatore12@gmail.com

The objectives are to explore the future of machine learning, its potential applications, and advancements. I chose to represent this through a digital poster to communicate my findings visually and concisely. The motive is to inform and inspire others about the exciting possibilities of machine learning. The methodology I likely involved research, data analysis, and creative design. The findings of this poster likely highlight emerging trends, such as AI in healthcare, autonomous vehicles, and natural language processing, showcasing the vast future scope of machine learning in various domains.

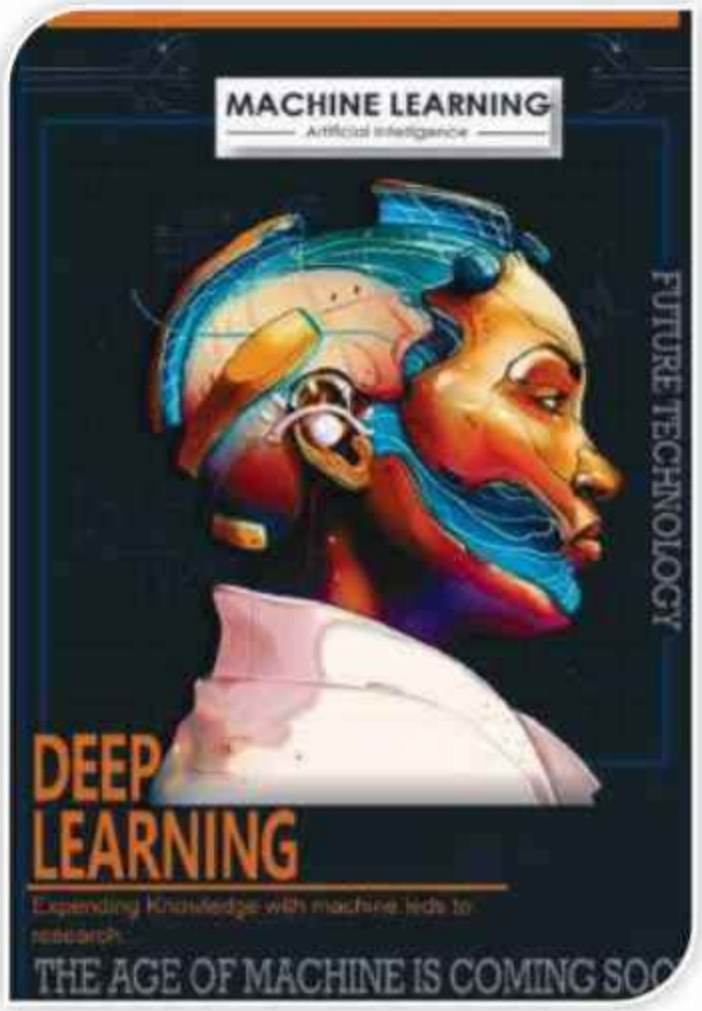


Fig.5.6. Machine Learning Poster

15
Respiratory System

Amritpal Kaur
Shri Roshan Lal Jain Sarvhitkari Vidhya Mandir, Fazilka
svmabohar2018@gmail.com

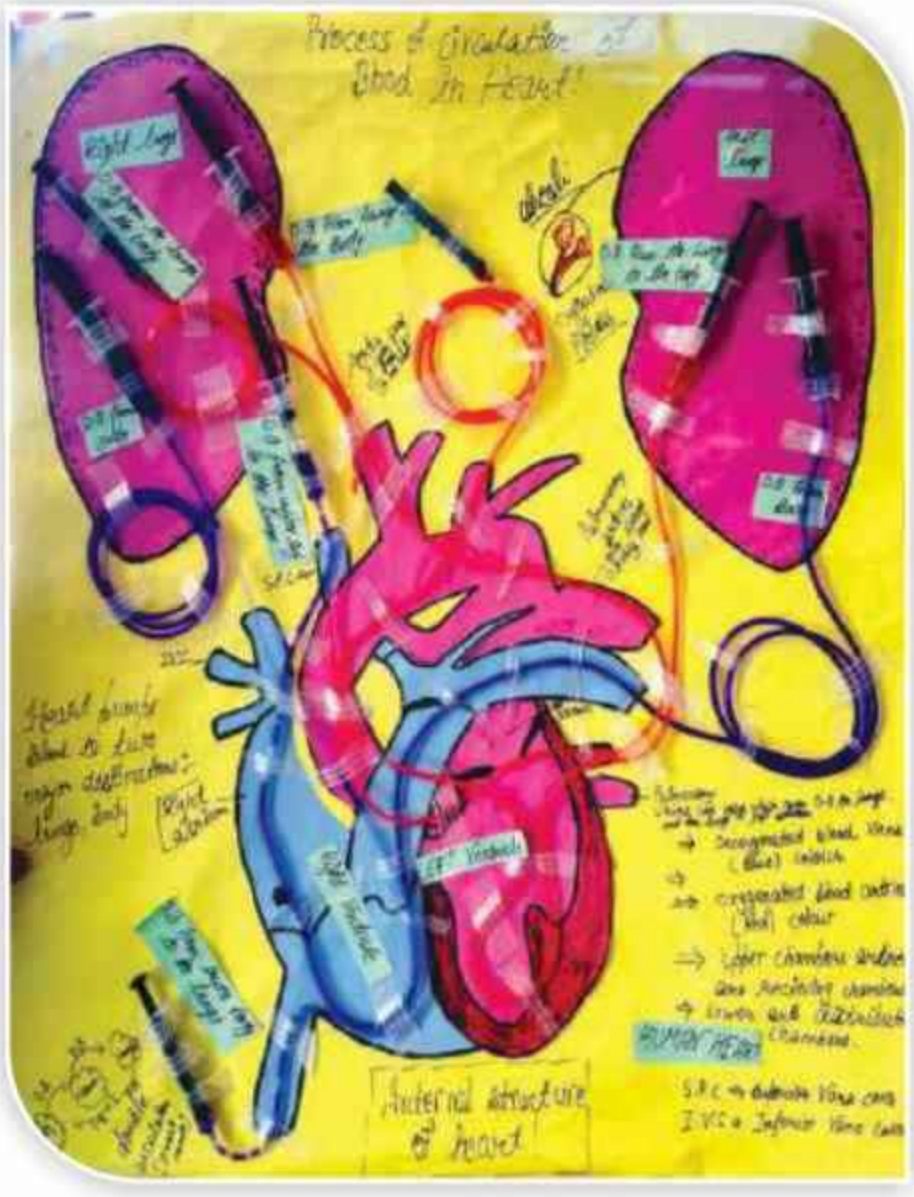


Fig.5.7. Respiratory System -
Explains the Flow of Blood through the Respiratory System

16

The Emotionless Void: A Portrait of Numbness

Hitisha
Dr. B.R. Ambedkar National Institute of Technology Jalandhar
hitishasharma134@gmail.com

A captivating drawing depicting a human devoid of all emotions. Set against a desolate landscape, the figure's expressionless face and vacant eyes convey a profound detachment from the world. Through a monochromatic palette, the drawing invites introspection on the delicate balance between feeling and emptiness, evoking a sense of intrigue and contemplation. "The Echoes Within: Embracing the Silent Abyss".

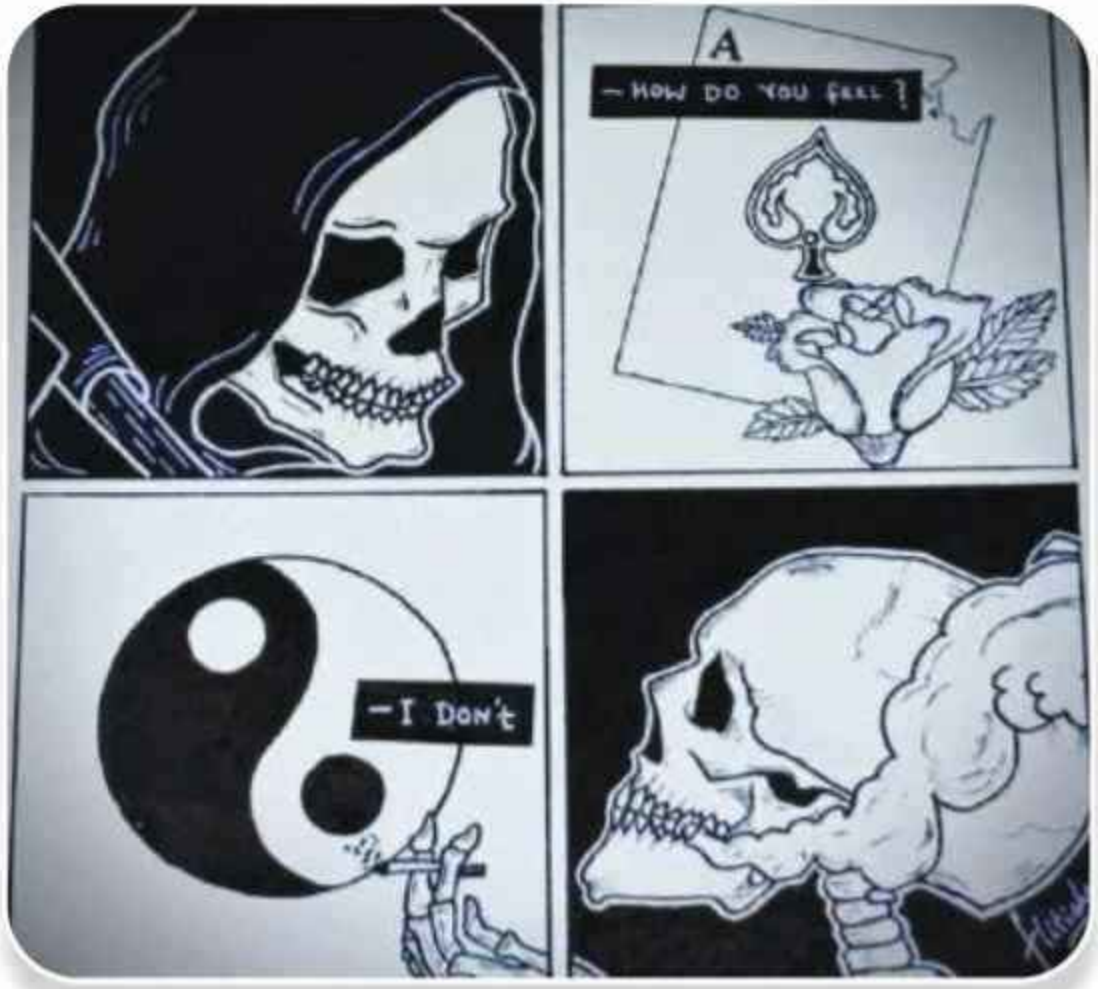


Fig.5.8. Numbness

17
Painting

Pawni
Shifaly International School, Ludhiana
meena85kshi@gmail.com

Painting of a girl showing an optimistic personality. My positive attitude to the role of sector is justified and realised.

Fig.5.9. Painting of a Girl Showing an Optimistic Personality

18
Painting

Gurleen Kaur
Shifaly International School, Ludhiana
meena85kshi@gmail.com

It is a religious painting depicting Radha Rani and Shri Krishna as a symbol of Mor Pankh. Showing immense love between them.

Fig.5.10. Religious Painting

19

Entrepreneurship

Yamini Mahajan
ARNI University, Himachal Pradesh
yaminim080@gmail.com

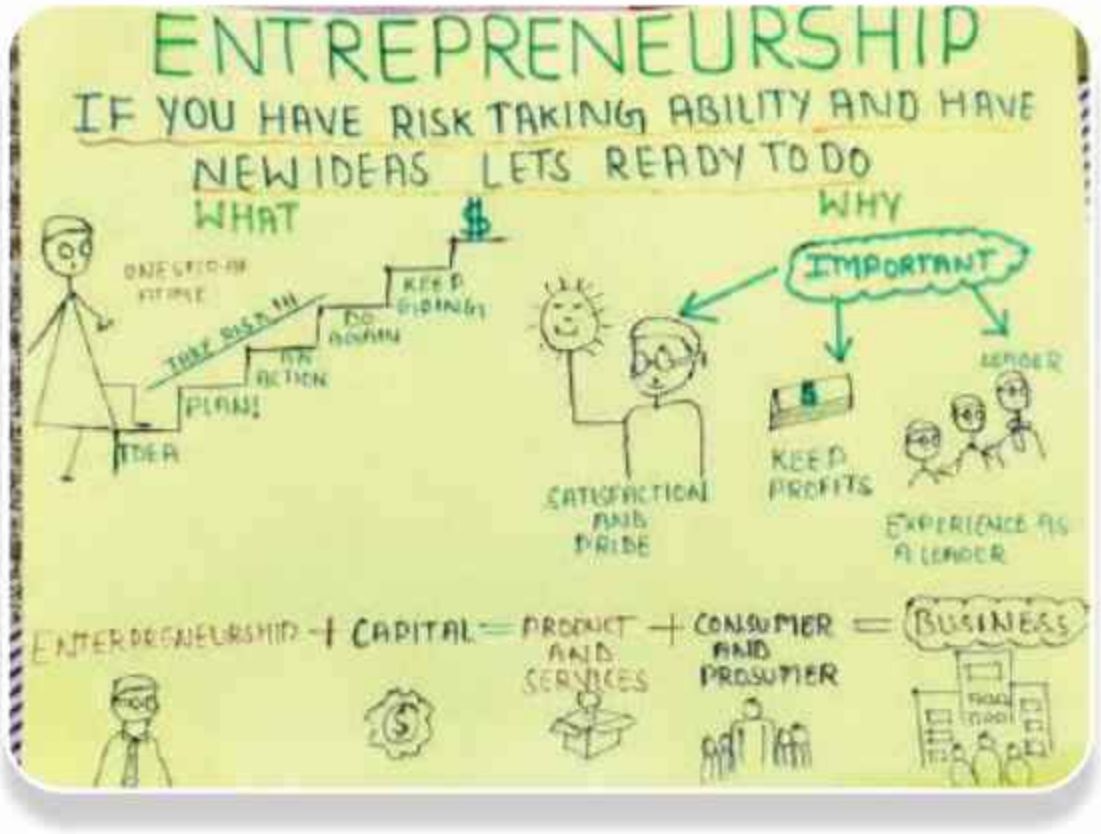


Fig.5.11. A poster on Entrepreneurship

20

Good Teacher

Mayra Mahajan
Angel's Public School, Pathankot
sunitamahajan2603@gmail.com

We all know that a Teacher is a real Guru for the students. So, I have decided to choose this topic for my project. In this project "A Good Teacher", I am showing what a "Teacher" is. During COVID-19 schools was closed but our teachers was suffering with many issues to be providing a good education. We never forgot their hard work. A good teacher always motivates students & provides good resources to enhance their education. I Love my Teachers who providing a good education to their students.

Fig.5.12. A Poster on Good Teacher

21

Scenery

Kavya Gupta
ICA Sr. Sec. School no. 2 Scheme no. 54, Indore
gm.rk1228@gmail.com

Fig.5.13. Scenery of Riverside

22

Buddha Portrait

Ria Gupta
SICA Sr. Sec. School no. 2 Scheme no. 54, Indore
gm.rk1228@gmail.com

Fig.5.14. Buddha Portrait

4.3 Conclusion

"Inclusivity and Innovation: A Kaleidoscope of Ideas and Artistry" As we bring this chapter to a close, we find ourselves at the crossroads of ingenuity and creativity, a place where ideas have converged with the spirit of innovation. Chapter 4, with its two distinct sections, was a voyage into the realms of education's future, blending traditional wisdom with contemporary insight.

In the first section, ***"Integration of Bhartiya Traditional and Modern Education Systems for Sustainability"***, we delved into a world of 12 thought-provoking papers authored by luminaries from various academic domains. Dr. Jatinder Garg, Mr. M.L. Aery, Mr. Rakesh Sharma, and Ms. Aabha Naagar led the discussions, guiding us through the nuanced landscape of merging time-honored Indian educational practices with modernity.

Next, in the section titled ***"Skill, Start-up, and Entrepreneurship in Education"***, five dynamic papers presented by diverse authors were showcased. Dr. Manoj Kumar, Dr. Ravinder Thakur, Dr. Sanjeev Naval, and Dr. Ekta, along with their respective chairs, opened the door to a world of entrepreneurship in education, illuminating a path where learning becomes a powerful tool for economic growth.

Further in the section, ***"Integration of Higher Educational Institutions with Elementary Education"***, offered a glimpse into the complexities of harmonizing diverse facets of education. Two papers, spearheaded by dedicated authors, took us through this intricate process, with session chairs Dr. Jatinder Garg, Dr. Nitya, Dr. Gaurav Bhargav, Dr. Rajesh, and Ms. Aabha Naagar steering the ship.

Finally, in the section ***"Miscellaneous"***, a colossal collection of 57 papers represented the multifaceted nature of education. Dr. Gaurav Sharma and Ms. Aabha Naagar, our guides in this diverse realm, provided a platform for authors to explore various dimensions of pedagogy, enriching the discourse on education.

In the second session, we were treated to a captivating showcase of projects, an incubator of creativity, and innovation. In Category 1, nine individuals unveiled their project ideas, each brimming with potential to reshape education. Category 2 saw 18 visionaries sharing their project concepts, a testament to the commitment to reinvent the educational landscape. Additionally, in Category 3, 22 students infused artistry into education, showing us that aesthetics and imagination play a pivotal role in the learning journey.

With the closing of this chapter, we carry forward the momentum of innovation, fueled by the amalgamation of tradition and modernity, and inspired by the artistic expressions of our future leaders. This chapter is a testament to the diversity, resilience, and boundless potential of the world of education.

The details about Media Coverage and the potential Outcome are described in subsequent Chapters.

Chapter-5

In Media

Chapter-5

5. Introduction

In Shiksha Mahakumbh, extensive media campaign was carried. It played a pivotal role in promoting the event not only in Punjab but also in more than 10 additional States and Union Territories. This chapter delves into the coverage done by the media (both print and digital) of the extensive Shiksha Mahakumbh campaign undertaken to promote and propagate the event and that of the main event spread over 3 days brain storming by eminent personalities.

5.1. Campaign in Media

This section serves as the foundation for the chapter, highlighting the broad reach of the campaign across different regions. It emphasizes that the campaign extended beyond Punjab to encompass multiple States and Union Territories.

5.1.1. Print Media

Within this subsection, the presence of campaign in prominent newspapers like Danik Bhaskar, Danik Sawera, Punjab Kesari, Jagat Kranti, Jagrati Lahar, Dainik Jagran, Amar Ujala, Tribune, Hindustan Times, Metro News, The Uttam Hindu, Punjab Kesari, and others is highlighted. This signifies the extensive coverage and presence of the campaign in print media, underlining its effectiveness in reaching a diverse audience.


दैनिक सवेरा
METRO NEWS

विधायक टीएस ठाकुर को शिक्षा महाकुंभ का निमंत्रण

विधायक काका बताड़ को संभाग शिक्षा महाकुंभ 2023 का निमंत्रण पत्र

शिक्षा महाकुंभ में देश भर से जुटेंगे 5 लाख से अधिक लोग : कंसल

शिक्षा महाकुंभ में शिक्षा जगत से संबंधित प्रश्नों पर होगा विस्तृत मंथन : गोयल

शिक्षा के महाकुंभ राष्ट्रीय सम्मेलन में दत्तात्रेय होंगे मुख्यअतिथि

दैनिक सवेरा

शिक्षा के दम पर आज विश्वगुरु और आगे भी रहेगा : डा. सुदेश आकुर

पहले शिक्षा महाकुंभ के सिलसिले में की गई विशेष बैठक

दैनिक सवेरा

5.1.2. Digital Media

This further elaborates on the digital media coverage (DD, PTC, etc) of the campaign, specifically highlighting the press conferences held in different states. The inclusion of links to these press conferences demonstrates the integration of digital platforms in disseminating information and engaging with a wider audience. It signifies the importance of digital media in modern communication strategies adopted to popularise the event.

State	District	Link
PUNJAB	Malerkotla	https://youtu.be/kwqYorKGPnU
	Ropar	https://youtu.be/ZwA9DVLgtaU
	Patiala	https://www.instagram.com/reel/CrVG8qiLCI_/?igshid=YmMyMTA2M2Y=
	Amritsar	https://youtu.be/-8NkjYhT0yA
	Jalandhar	https://youtu.be/itJBXDHQgxU https://youtu.be/04Q5s6b-KOk https://fb.watch/lDJ_QWSrGT/?mibextid=Nif5oz
	Hoshiarpur	https://www.facebook.com/watch/?v=1202131460469805&mibextid=Nif5oz
	Mansa	https://fb.watch/j_sDhDYdVi/?mibextid=yeseh4
	Pathankot	https://www.facebook.com/100088713143443/posts/pfbid0zu2KvqstKxweWPFF12ppZiGYguxAp22EV1ACACH9hgeXwzzBzBwCzsKtUphdrtysl/
	Sunam	https://link.public.app/ch95J
	Bathinda	https://youtu.be/t7FSJ5i0--I
	Lehragaga	https://m.facebook.com/story.php?story_fbid=pfbid0cryijbd6DYQb8Z1JjPDtLTo94ykAz9GShnMFEdnc4suhU6kmKHmJB8vFF2ENUrvhl&id=100001211345215&sfnsn=wiwspwa&mibextid=RUbZ1f
	Khamano	https://youtu.be/MMf-BX0L6Ps
	Fatehgarh Sahib	https://www.facebook.com/100088713143443/posts/pfbid02bYbtQ1sbyWJYxgwdqMKQPEb3Za6qTwy9w7MK6DwE35BErUFk3z65v2wcafserZyrl/
	Moga	https://fb.watch/kl07QBYBAx/?mibextid=Nif5oz
	Budhlada	https://fb.watch/kkX7_zcHU0/?mibextid=RUbZ1f
	Dhuri	https://youtu.be/J5iIz0qNgOA

State	District	Link
PUNJAB	Firozpur	https://www.facebook.com/100091784467245/videos/793475782296296/?mibextid=rS40aB7S9Ucbxw6v
	Rohtak	https://fb.watch/n2Gle8LoB8/
HARYANA	Karnal	https://fb.watch/lDKAwNyfVW/?mibextid=Nif5oz
	Zind	https://youtu.be/d2qey1dNl44
	Kurukshetra	https://youtu.be/HP-6tgfShp8
	Muktsar	https://link.public.app/as7Ye
MADHYA PRADESH	Hisar	https://fb.watch/lDKGq_C2ip/?mibextid=Nif5oz
	Indore	https://youtu.be/uN8dm8uzWwg
HIMACHAL PRADESH	Kullu	https://fb.watch/kr6ka35jCN/?mibextid=Nif5oz

5.2. Special message by Prominent Personalities

In this subsection, the special messages received from distinguished personalities like Mr. Kanhaiya Mittal, a renowned singer, Mr. Pushkar Singh Dhami, Hon'ble Chief Minister, Uttrakhand and Dr. Thakur SKR are described. The links to these prominent messages and discussions are provided below.

https://youtu.be/s08r04Y7-Q4

https://youtu.be/7Kog32TfBIY

https://fb.watch/l0qAUsH5YS/

https://fb.watch/n2F3e83PNr/

https://fb.watch/n2Fj7Bpe2p/

https://fb.watch/kNE01653ko/?mibextid=5Ufylb

5.3. The Programme

This section sum up the coverage of the main programme in print and digital media. The details of each media are described in subsequent sections.

5.3.1. Print Media

This section provides an overview of the press coverage in leading newspapers like Danik Bhaskar, Danik Sawera, Dainik Jagran, Amar Ujala, Tribune, Hindustan Times, The Uttam Hindu, Punjab Kesari, etc., during the 3 days long event at Dr. B. R. Ambedkar NIT Jalandhar. These media clippings serve as tangible evidence of the event's presence and significance in the local and global print media.

5.3.2. Digital Media

In this subsection, the digital footprint of the event, including links to videos and social media posts that captured the proceedings of the 3 days marathon brain storming are provided. It underscores the role of digital media platforms such as YouTube, Facebook, and others in broadcasting the event's activities to a wider audience. The links of this coverage are provided below.

https://youtu.be/kN8CvqIBg
https://www.youtube.com/live/0mVDwM2b5lU?feature=share
https://www.youtube.com/live/7pKVccochrw?feature=share
https://www.facebook.com/100002176099907/posts/pfbid071YceoPRnLfBNpEM6HGGnSPRz9LQpvyMPkGCoAgVANcebtNUFmhyU1WU1AahUYT5l/?d=w&mibextid=qC1gEa
https://youtu.be/xduJ2lMsckY
https://youtu.be/cdLrYZuPVEo
https://youtu.be/PGPuz5qtcZQ
https://fb.watch/l40tk6_ZR8/?mibextid=Nif5oz
https://www.youtube.com/live/EZSJD6SiqCo?feature=share
https://youtu.be/2eenSTs_tAo
https://business.facebook.com/events/792048558982313/

5.4. Conclusion

This chapter exemplifies how a well-planned and executed media campaign, encompassing both traditional and digital media channels, played a pivotal role in the success of Shiksha Mahakumbh making it a beacon of inspiration and progress in the world of educational events. The Outcome driven out of it are described in Chapter 6.

Chapter-6

THE OUTCOME

Chapter-6

6. Introduction

In the wake of the ***Shiksha Mahakumbh*** initiative, a transformative wave of educational reform has swept across Bharat, giving birth to innovative programs and initiatives aimed at reshaping the nation's educational landscape. This movement has led to the establishment of pioneering educational initiatives, each with a unique focus and purpose.

Franchise Model Begins: The ***Shiksha Mahakumbh*** has evolved into an annual event of national importance, collaborating with renowned educational institutions. This partnership has given rise to a franchise model, including ***Shiksha Mahakumbh*** for the entire globe and ***Shiksha Mahakumbh*** for field-specific participants of the globe. This expansion promises to spread the benefits of the initiative far and wide.

Journal - Viksit India: The wealth of knowledge generated during the ***Shiksha Mahakumbh*** finds a permanent home in the form of the "Viksit India" journal. This quarterly publication serves as a repository for the vast array of projects and papers presented during the event, fostering discussions, research, and insights crucial to the global educational landscape.

Model Couples in the Service of the Society: The ***Shiksha Mahakumbh*** has identified a critical need for young couples to engage constructively in society. The "Model Couples in the Service of the Society" initiative underscores the pivotal role couples can play in positively influencing society through education. By working together as a team, couples can impart essential values and ethics to future generations.

Shiksha ki Baat Shikshavidon ke Saath: This initiative stemming from the ***Shiksha Mahakumbh*** promotes open discussions and dialogues among educators, experts, and thought leaders in education. It aims to address critical issues and trends in the field, offering fresh insights and innovative solutions.

Promotion of Social Service through Education in Tough Terrains: This visionary initiative extends education to remote and challenging regions, empowering college students across the globe to become proficient volunteer-educators and change agents. By offering specialized training, it prepares citizens to address the unique needs of communities in tough terrains.

Institute of Training and Research: Teacher preparation is a cornerstone of education, and this initiative aims to establish an Institute of Training and Research. It will equip aspiring educators with the knowledge, skills, and pedagogical techniques needed to excel in their roles, ultimately enhancing the quality of education.

Centre for School Education Studies in Institutions of National Importance: Recognizing the vital role of school education, this initiative focuses on establishing specialized centers within Institutions of National Importance. These centers engage in in-depth research, policy development, and capacity building in the field of school education, ensuring its quality and accessibility.

The detailed insight about these initiatives originated during inaugural edition of ***Shiksha Mahakumbh*** is provided in subsequent sections.

6.1. Franchise Model Begins

During the campaign of Shiksha Mahakumbh, the voice of conducting this very massive and innovative event annually in collaboration with Institutions of National Importance arose. Several Directors of these Institutions and Vice-Chancellors of Central Universities demanded its next

edition in their Institutions. Accordingly, the matter was discussed within the committee of this mass movement and it's decided to book its first 5 editions in collaboration with these Institutions of National Importance. When the agreement of its 2nd edition was signed between Department of Holistic Education, the originating place of this mass movement and Indian Institute of Technology Ropar, the news spread across the country. Thereafter several other Universities demanded for its editions in their institutions. Then the managing committee decided to launch its another franchise i.e., Shiksha Kumbh. Accordingly, the mass movement translated into Shiksha Mahakumbh – an annual event for entire globe and Shiksha Kumbh – an annual event for field specific participants of the globe.

At the closing ceremony of the event, the baton of 2nd edition of this mass movement was handed over to the Director of Indian Institute of Technology which is to be held in 2024.

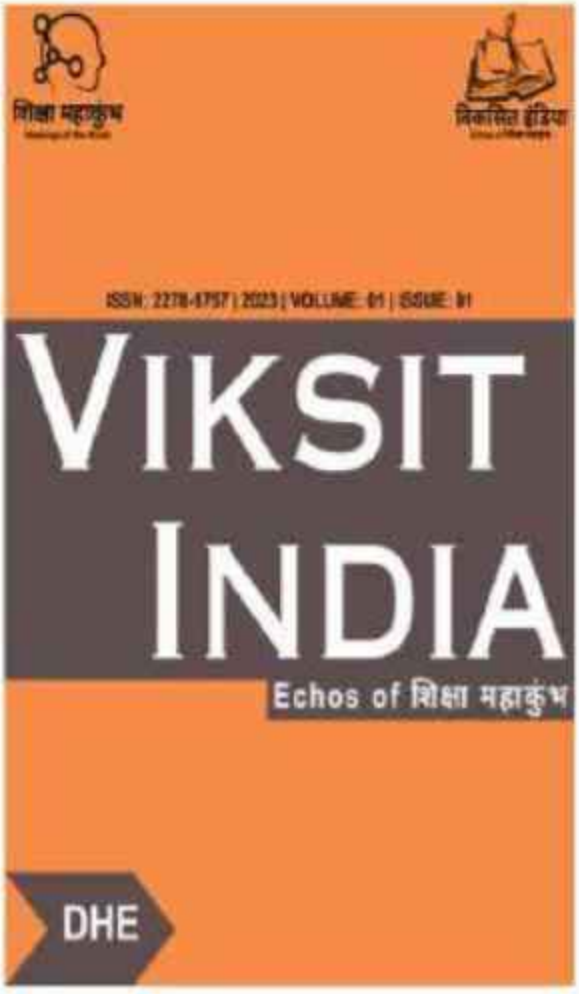
Prof. B K Kanaujia, Director, NIT Jalandhar handed over the Shiksha Mahakumbh Batton to Prof. Rajiv Ahuja, Director, IIT Ropar

At the same closing ceremony, the baton of 1st edition of Shiksha Kumbh of this mass movement was handed over to the Prof. Manjit Bansal, HOD, MRS PTU Bhatinda.

Prof. B. K. Kanaujia, Director, NIT Jalandhar handed over the शिक्षा महाकुंभ Batton to Prof. Manjit Bansal, HOD, MRS PTU.

6.2. Journal

The mammoth turn around was recorded in this mass event. The projects and the papers were enormous. To see this much turn around in terms of good works of all strata of society, it was decided to preserve it and further promote it through the official journal of this mass movement. Accordingly, Echoes of Shiksha Mahakumbh transformed into a quarterly journal to be launched i.e., Viksit India which is an integral component of the Shiksha Mahakumbh initiative, a distinguished effort by the Department of Holistic Education in the realm of education. Your extensive expertise and profound insights in the field of education position you as a valuable contributor to this prestigious platform.



Dedicated to education advancement: "Viksit India" is committed to nurturing discussions, research, and insights that pertain to the global educational landscape. We firmly believe that the wealth of experience and unwavering commitment to education align seamlessly with the objectives of this journal. The active participation has the potential to play a pivotal role in shaping the discourse on education.

Comprehensive coverage of educational aspects: Embark on a profound exploration of the multifaceted world of education through this journal's comprehensive coverage. From pioneering research to visionary perspectives, the team of the journal meticulously examine every facet, ensuring that one stays at the forefront of the ever-evolving domain of learning and teaching.

Viksit India journal is the passport to a realm filled with knowledge, inspiration, and innovation within the field of education.

6.3. Model Couples in the Service of Society

During the campaign and the marathon deliberations & proceedings of this mass movement, it was evolved that the youth specifically young couples are turning around in the western style of leisure options in the form of discs, clubs, pubs, resto, etc., leaving behind knowing the basics of our rich cultural things of life like pregnancy, parenting, etc., in this so-called fast pace world. To direct the huge population of such young couples of Bharat, it was felt that the constructive ways of leisure shall be evolved where the basic cultural things gets imprinted in the mind of these growth engines of the Bharat while working on social causes specifically shaping the nation through education. Accordingly, "Couples in the Service of Society: Shaping the Nation Through Education" churn around. It emphasizes the pivotal role that the conglomeration of young to elder couples, working

together as a team, can play in positively influencing and contributing to society through the sphere of education and our own inherited values to the future generations.

Participants in the Model Couple Programme

In many societies around the world, education is regarded as one of the most influential factors in shaping the future of nations. The quality of education and the values imparted to the younger generation can significantly impact a nation's progress, social cohesion, and overall well-being. Within this context, the concept of "Couples in the Service of Society" underscores the idea that couples, when they collaborate and align their efforts towards educational objectives, can become powerful agents of positive change.

Key aspects of this initiative are as follows

Collaborative Efforts: It highlights the importance of couples working together in harmony, pooling their resources, talents, and energies to contribute to the betterment of society. When both partners in a relationship share a common vision for education and social progress, their collective impact can be profound.

Education as a Catalyst: This initiative recognizes education as a catalyst for societal development. Couples who are educators, administrators, or advocates for quality education can directly influence the learning experiences of students. Their dedication to fostering critical thinking, empathy, and social responsibility in young minds can help shape responsible citizens who actively contribute to society.

Values and Ethics: Couples involved in education often have the opportunity to instill core values and ethics in students. They can model and teach principles such as integrity, inclusivity, respect for diversity, and civic engagement, which are essential for building a just and progressive society.

Community Engagement: Couples in education can extend their influence beyond the classroom by engaging with the broader community. They can organize educational programs, workshops, and community service initiatives that address local challenges, promote literacy, and empower individuals to take an active role in societal development.

Role Models: By working collaboratively and demonstrating a commitment to lifelong learning, couples can serve as role models for their students and the community at large. Their dedication to personal and professional growth sets an example for others to follow.

Impact on future generations: Through their joint efforts, couples can leave a lasting legacy by positively impacting the lives of countless students. The knowledge, skills, and values they impart can influence these students to become responsible citizens and future leaders who contribute to the nation's progress.

Couples in the Service of Society: Shaping the Nation through Education" highlights the significant role couples can play in advancing society through their joint contributions to education. Their collaborative efforts, commitment to values, and engagement with the community can collectively shape a brighter future for their nation and its citizens.

6.4. Shiksha ki Baat Shikshavidon ke Saath

Shiksha ki Baat Shikshavidon ke Saath is a unique and ongoing initiative that has its roots in the Shiksha Mahakumbh 2023 and extends beyond to upcoming Shiksha Mahakumbhs. This initiative centers around open discussions and dialogues, bringing together educators, experts, and thought leaders to address critical issues and trends in the field of education.

The primary objective of this initiative is to delve into the most pressing topics in education, exploring various dimensions and perspectives. It aims to shed light on the challenges and opportunities that exist in the education sector and seeks to offer fresh insights and innovative solutions.

It engages in discussions on vital educational topics with educators. Further it endeavors to touch upon various facets of education and present new directions for improvement in the field of education.

This initiative aims not only to benefit those directly involved in education but also to provide valuable insights to anyone interested in the world of learning and teaching.

Through these live video conversations, we aspire to deliver

Engage Educators: We bring together educators from diverse backgrounds and experiences to share their knowledge and insights. These discussions provide a platform for educators to exchange ideas, discuss best practices, and learn from each other.

Explore Key Issues: We tackle important issues in education, such as curriculum development, pedagogical approaches, the role of technology, inclusive education, and more. These discussions aim to identify areas that require improvement and innovation.

Offer Guidance: The initiative aims to provide guidance and direction to educators, policymakers, and stakeholders in the education sector. By featuring experts and experienced educators, we aim to offer valuable advice and strategies for improving the quality of education.

Inspire Innovation: Through these conversations, we hope to inspire innovation in education. Whether it's adopting new teaching methods, leveraging technology, or implementing creative solutions to common challenges, we aim to encourage educators to think outside the box.

Benefit All: While these discussions are primarily geared towards educators and those directly involved in education, the insights and information shared are beneficial to a broader audience. Parents, students, policymakers, and anyone interested in the field of education can gain valuable knowledge from these conversations.

This initiative is not just a platform for talking about education; it's a catalyst for positive change in the world of learning and teaching. By fostering collaboration, sharing ideas, and promoting innovation, ***"Shiksha ki Baat Shikshavidon ke Saath"*** aims to contribute to the continual improvement of the education sector and, ultimately, the betterment of society as a whole.

6.5. Promotion of Social Service through Education in Tough Terrains

The envisaged endeavor aims to establish a pioneering and transformative Center for School Education, poised to cater to the educational needs of remote and challenging regions like Leh, Kargil, Kinour, Lahaul Spiti, and Nuh (Haryana). The primary focus of this initiative is to offer Certificate Courses in Social Service through Education to college students during their summer vacations and internship projects, empowering them to become proficient educators and change agents in communities living in tough terrains. The proposed programme is designed to provide specialized training, both in the classroom and on the job, in order to prepare citizens with sense of responsibility, integrative feeling and solution finder to the problems. This is again a nectar coming out of the churning happened during Shiksha Mahakumbh. Further details on this initiative are provided in subsequent sections.

Vision

The visionary aspiration behind this undertaking is to cultivate a cadre of educators brimming with intellectual acumen and ethical values, equipped to shape the future of school education in tough and remote areas. This initiative seeks to foster an academic ecosystem that not only adheres to the National Education Policy 2020 but also embodies cutting-edge education and research, driven by technology and industry linkages. The ultimate goal is to empower each citizen of the country to be versatile, adaptable, innovative, and committed to lifelong learning and teaching.

The Outcome

- The proposed programme aspires to mold students into multifaceted individuals possessing the following attributes:
- Proficient teachers who align with the requirements of NEP-2020 and cater to the diverse needs of students.
- Knowledgeable and skilled individuals capable of making a positive impact on education and society.
- Techno-educationists who harness the potential of technology to enhance learning outcomes.
- Innovative and entrepreneurial thinkers capable of devising novel solutions to educational challenges.
- Educators employable in responsible positions, equipped to lead and transform the education landscape
- Versatile, adaptable, and lifelong learners who continually evolve and grow professionally.

The core educational philosophy of the proposed Center revolves around offering globally-relevant education that is deeply rooted in industry connections and research-driven practices. The emphasis on seamless integration within the curriculum ensures connections between major fields of study and allied domains, fostering holistic education.

Certificate Courses

The proposed Certificate Courses in Social Service through Education have been categorized into three distinctive durations and modes of training, as follows:

3-month Course

A 15-day classroom program at Department of Holistic Education Mohali, providing foundational knowledge and skills.

A 75-day on-the-job training in challenging regions like Leh, Kargil, Kinour, Lahaul Spiti, and Nunh (Haryana), allowing students to apply their knowledge in real-life scenarios.

6-month Course

A 1-month classroom program at DHE Mohali, further building on the foundational knowledge and skills.

A 5-month on-the-job training in challenging regions, providing extensive exposure and practical experience in diverse educational settings.

9-month Course

A 1.5-month classroom program at DHE Mohali, incorporating advanced concepts and pedagogical approaches.

A 7.5-month on-the-job training in challenging regions, providing comprehensive exposure to various educational challenges and opportunities.

6.6. Institute of Training and Research

An Institute of Training and Research referred to as a Teacher Education Institute or Teacher Training College, is an educational institution dedicated to the preparation and training of individuals who aspire to become teachers and improve their skill sets being full-fledged teachers. This institute will play a crucial role in the education system by equipping future educators with the knowledge, skills, and pedagogical techniques needed to effectively teach students at various levels, from early childhood to higher education in consonance with New Education Policy 2020. This institute is conceptualised under DHE as an effective outcome of Shiksha Mahakumbh 2023. The key aspects and functions of it are described below:

Teacher Preparation: The primary mission of a Teacher Training Institute is to prepare individuals for careers in education. This involves offering programs and courses that cover educational theory, teaching methods, classroom management, and subject-specific content knowledge.

Programs and Degrees: This institute will offer a range of programs and degrees, including: Doctor of Philosophy (PhD) in School Education for existing Teachers.

Master in School Education (MSE): A post graduate-level program for any graduate with minimum qualification set by Institute and wish to serve in School Education. It will provide advanced training in education theory and practice.

Certification: Training programmes in consonance with NEP 2020 will be run and the trainees will receive teaching certification or licensure, which is necessary to continue working as a teacher. The specific requirements for certification can vary widely by location and the level of education (e.g., primary, secondary, or higher education) a teacher delivering.

Pedagogical Training: This institute will focus on pedagogy, which is the science and art of teaching. Teachers will be trained in instructional strategies, assessment methods, and classroom management techniques to create effective and engaging learning environments.

Language-Specific Training: In addition to general pedagogy, Institute will Language-specific

training for teachers. This is particularly important for educators who wish to teach specialized Language such as German, Tamil, English, Chinese, etc.

Practical Experience: Teacher candidates will be engaged in practicum experiences, which involve student teaching in real classrooms under the supervision of experienced educators. This hands-on experience is vital for applying theoretical knowledge to practical teaching situations.

Professional Development: Institute will offer professional development opportunities for practicing teachers to enhance their skills and stay updated with the latest developments in education.

Research and Innovation: Institute will involve in educational research and innovation, contributing to the development of new teaching methods, curriculum design, and educational technologies.

Continuing Education: The field of education is dynamic, and teachers need to continue learning throughout their careers. Institute will provide opportunities for teachers to pursue further education and training.

Community Engagement: Institute will engage with local communities and schools, offering outreach programs, workshops, and educational resources to support the broader educational ecosystem.

Institute will be foundational to the education system, ensuring that teachers are well-prepared to guide and inspire the next generation of learners. It will make teachers to face the problems coming in education with time and find out the solutions on real. The quality of teacher training has a significant impact on the overall quality of education within a region or country.

6.7. Centre for School Education Studies in Institutions of National Importance

The concept of establishing "Centers for School Education Studies in National Importance Institutes" is rooted in the recognition of the pivotal role that education plays in the socio-economic development of a nation. These centers are envisioned as specialized institutions or departments within prominent educational institutions that focus on in-depth research, policy development, and capacity building in the field of school education. Here's an elaborate exploration of this topic:

Importance of School Education: School education serves as the foundation for an individual's personal and professional growth. It plays a critical role in shaping a person's character, imparting knowledge and skills, and fostering a sense of citizenship. High-quality school education is vital for a country's progress and competitiveness on the global stage.

Need for Specialized Centers: Recognizing the significance of school education, governments and educational bodies are increasingly establishing specialized centers within national importance institutes. These centers are dedicated to addressing the unique challenges, opportunities, and research needs related to school education.

Research and Development: One of the primary functions of these centers is to conduct extensive research on various aspects of school education. This includes studying pedagogical methods, curriculum development, assessment techniques, teacher training, and educational technology. The goal is to generate data-driven insights that can inform policy decisions and improve educational practices.

Policy Formulation: Centers for School Education Studies contribute to the formulation of education policies at the national, regional, and local levels. They provide evidence-based recommendations and expertise to policymakers, helping them design and implement effective strategies to enhance the quality and accessibility of school education.

Teacher Training and Professional Development: These centers often offer specialized training programs and professional development opportunities for teachers and educators. They equip them with the latest teaching methodologies, technological tools, and pedagogical approaches to improve their effectiveness in the classroom.

Capacity Building: Capacity building is a crucial aspect of these centers' work. They engage in training educational administrators, curriculum developers, and policymakers to ensure that they have the knowledge and skills needed to lead and support the education sector effectively.

Monitoring and Evaluation: Centers for School Education Studies are responsible for monitoring and evaluating the impact of education policies and initiatives. They assess the effectiveness of various programs and provide feedback to improve outcomes.

Innovation in Education: These centers often serve as hubs for innovation in education. They explore and promote innovative practices, including the integration of technology in the classroom, alternative learning models, and inclusive education approaches.

Collaboration and Networking: Collaboration with other educational institutions, both nationally and internationally, is a common practice for these centers. They often collaborate on research projects, share best practices, and leverage global expertise to address educational challenges.

Advocacy and Outreach: Centers for School Education Studies also engage in advocacy efforts to raise awareness about the importance of school education. They advocate for increased investment in education, improved teacher training, and policies that prioritize the needs of students.

Centers for School Education Studies in National Importance Institutes are instrumental in advancing the quality and accessibility of school education. Through research, policy formulation, capacity building, and advocacy, these centers contribute to the overall development of the education sector, ensuring that it aligns with the evolving needs of society and prepares students for a successful future.

Result

Results of the winners in various categories of the event, including Paper Presentations, Student Projects and Talent Recognition are provided in subsequent sections.

Papers Presentation

Author's	Institute/ Affiliation	Paper Title	Prize/ Position
Dr. Gurvinder Sodhi (Paper ID-9622)	University of Delhi, Delhi	Fingerprint Classification System: How Justice was Denied to the Bharatiya Innovators who Helped Ameliorate, The Criminal Justice System	1st Prize (Joint)
Mr. Rishabh Kaushik (Paper ID-5552)	NIT Jalandhar	Advances in Chemical Science and Technology	1st Prize (Joint)
Dr. Gaurav Sharma (Paper ID-9395)	Indian Institute of Technology Delhi	Synthesis of Biogenic Calcium Silicate Glasses from Biomass for Numerous Applications	2nd Prize (Joint)
Dr. Seema Goyal (Paper ID 3489)	Ex- Epidemiologist	Use of Hindi and Regional Languages in Technical Education	2nd Prize (Joint)
Ms. Ranjana Verma (Paper ID 899)	GNA UNIVERSITY, Phagwara	Health and Wellness Interlaced in The Bhagavad Gita	3rd Prize (Joint)
Ms. Purvi Arora (Paper ID 6175)	Bharatiya Institute of Teacher Education, Gandhinagar	Unlocking the Learning Power of Play: Exploring Learners' Preferences for Game Mechanics and Dynamics in Math Education	3rd Prize (Joint)
Dr. Jyoti Verma (Paper ID 6179)	Santoor International Public School	आधुशिक युग में पारंपररक शिक्षा की प्रासंशगकता	Consolation Prize
Mr. Subash Mahajan (Paper ID 2718)	Mohali, Punjab	Bhartiya Gurukul Education System is a Traditional Bharatiya System of Education	Consolation Prize
Ms. Priyanka Vij (Paper ID 1506)	Lovely Professional University, Phagwara	A Novel Approach for the Motor and Cognitive Rehabilitation for Slow Learners: Multiple Intelligence - An Opinion	Consolation Prize

Student Projects

Student Name	Institute/Affiliation	Project Title	Position
Mr. Rishabh Kaushik	Dr. B. R. Ambedkar National Institute of Technology Jalandhar	Understanding the Causes and Impact of Plant Diseases: An Investigation into Physical, Environmental, Bacterial, and Viral Factors Leading to Plant Decline.	1st Prize
Mr. Himanshu Jindal	Chitkara University, Punjab	Smart Multifunctional Lecture Stand	2nd Prize
Mr. Daksh	BCM Arya Sr. Sec. School, Ludhiana	Blaze Gen 1	2nd Prize
Ms. Vanshika Garg, Ms. Heena and Ms. Isha Goyal	Chitkara University, Punjab	E-Cycle	Consolation Prize
Mr. Prikshit Maan	St. Vivekanand Millennium School, Panchkula	Energy Harvester	Consolation Prize
Mr. Raushan Kumar Bharti	IK Gujral Punjab Technical University, Jalandhar	Roselle	Consolation Prize
Mr. Avijeet Kumar	IK Gujral Punjab Technical University	Varun	Consolation Prize
Mr. Amritpal Kaur	Shri Roshan Lal Jain Sarvhitkari Vidya Mandir, Fazilka	Respiratory System	Consolation Prize
Mr. Nitin Kapoor	Jawan Mal Govt. SSS, Ferozepur	Wireless Electricity Transmission	Consolation Prize
Mr. Sujal Jain	Chitkara University, Rajpura, Punjab	Prevention of Food and Paper Wastage in University Canteens and Mess	Consolation Prize

Talent Recognition

Category: Principal

Reg. No.	Name	Affiliation	District
07	Mrs. Jyoti Verma	Santoor International Public School	Kapurthala
13	Mr. Sahil Garg	SD College, Barnala	Barnala
20	Dr. Manika Saxena	DAV Institute of Physiotherapy and Rehabilitation	Jalandhar
68	Mr. Atul Mahajan	DAV Centenary Public School, Una	Una, Himachal Pradesh
71	Mr. Tushar Mehra	Panjab University	Kathua
72	Mr. Suraj Singh	GDC Akhnoor	Khour
90	Mrs. Jyoti Tewari	Sharda Sarvhitkari Model Sr. Sec School, Chandigarh	Chandigarh
100	Dr. Seema Goyal	Ex- epidemiologist	Muktsar
120	Mr. Prem Singh Khimta	Sarvhitkari Vidya Mandir Malerkotla	Malerkotla
121	Mr. Piyush Punj	St. Vivekananda Millennium School, HMT Township, Pinjore	Panchkula

Category: Teachers

Reg. No.	Name	Affiliation	District
10	Mr. Karan Singh	C.S. International School	Fatehgarh Sahib
22	Mr. Munish Kumar	GMSSS, Dhanas	Chandigarh
59	Dr. Disha Khanna	GNA University	Kapurthala
69	Dr. Gaurav Sharma	IIT Delhi	New Delhi
80	Dr. Saurabh Manro	Govt. High School, Cheema Khanna	Ludhiana
92	Mr. Baljinder Singh	Govt. Sr. Sec. School, Mehma Sarja, Bathinda	Bathinda
97	Mrs. Preeti Bansal	Govt. Sr. Sec. School, Khizr Abad	SAS Nagar (Mohali)
106	Mr. Akash Roop Singh	GHS, Kairon	Tarntaran
107	Mrs. Paramjeet Kaur	GSSS, Pandori Gola	Tarntaran
111	Mrs. Maninder Kaur	St. Vivekananda Millennium School	Panchkula
122	Mr. Kashmir Singh	Govt. Sr. Sec. School, Sangatpura, Amritsar	Amritsar

Category: Student

Reg. No.	Name	Affiliation	District
9	Mr. Divyanshu	Sarvhitkari Vidya Mandir	Malerkotla
15	Ms. Simran Deep Kaur	GSSS, Kohar Wala	Faridkot
16	Mr. Himanshu Jindal	Chitkara University	Mansa
18	Ms. Yukta	LPU	Firozpur
21	Ms. Drishti	Mount Litera Zee School	Moga
23	Mr. Munish Kumar	GMSSS, DHANAS	Chandigarh
27	Mr. Harjas Singh	Govt. High School, Dasgrain	Rupnagar
28	Mr. Arshpreet Singh	R.S. Model. Sr. Sec. School	Ludhiana
32	Ms. Anjali	D.A.V. College, Cheeka	Kaithal
33	Mr. Mani Gupta	Modern Vidya Niketan	Faridabad
36	Ms. Anvi Sharma	Dasmesh Public School, Mukerian	Hoshiarpur
60	Mr. Daksh Kishore	B.C.M Arya Model Sr. Sec. School	Ludhiana
62	Mr. Saksham Singh	Kendriya Vidyalaya, Kanpur Cantt	Kanpur
65	Mr. Suryavansh Parhar	Police D.A.V Public School	Jalandhar
85	Mr. Ashansh Roshan	Panjab University	Jalandhar
94	Ms. Ria Muskan	Apeejay School, Mahavir Marg	Jalandhar
108	Mr. Prabhsimar Singh	BCM Arya Model Sr. Sec. School	Ludhiana
109	Ms. Suveer Chawla	BCM Arya Model Sr. Sec. School	Ludhiana
123	Ms. Urvi Sood	DAV School	Ludhiana
134	Mr. Sharan Preet Singh	G.M.S.S. School 3b1 Mohali	Mohali

Category: Others

Reg. No.	Name	Group/Club
1.	Dr. Disha Khanna	Prerna- The Social Service Club
2.	Dr. B. S. Kaith	Prayaas Society, NIT Jalandhar