10th Issue of SSSUTMS e-Knowledge

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SRI SATYA SAI UNIVERSITY OF TECHNOLOGY AND MEDICAL SCIENCES

SSSUTMS eKnowledge

SRI SATYA SAI UNIVERSITY
OF TECHNOLOGY AND MEDICAL SCIENCES

Where talent meets opportunity

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स्टूडेंट्स, फैकल्टी या यूनिवर्सिटी से जुड़े सभी, अपनी रचना, शोध, करियर, स्टार्टअप या एजुकेशन से जुड़े लेख को शेयर करने के लिए, नीचे दिए ईमेल पर संपर्क करे -

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Exploring the Brilliance of 'Sri Satya Sai University of Technology and Medical Sciences' E-Magazine

Introduction

Sri Satya Sai University of Technology and Medical Sciences (SSSUTMS) has always been at the forefront of innovation and technology in the field of education. In its latest endeavor to promote creativity, knowledge, and communication, the university has launched its own e-magazine. This article provides an insight into the SSSUTMS E-Magazine and its significance in today's digital age.

The Birth of the E-Magazine

The SSSUTMS E-Magazine is a digital platform that captures the intellectual and creative essence of the university community. Launched with the aim of providing a space for students, faculty, and staff to express their thoughts, talents, and ideas, the magazine is a melting pot of innovation and excellence.

Diverse Content

The E-magazine is a treasure trove of diverse content, covering a wide range of topics. It includes articles on the latest technological advancements, medical breakthroughs, educational insights, student achievements, and cultural events. The magazine also explores the social impact of technology and medicine, delving into the ethical and moral dimensions of these fields.

Student and Faculty Contributions

One of the most remarkable aspects of the SSSUTMS E-Magazine is its inclusive nature. It encourages students and faculty members to contribute articles, essays, poems, artwork, and other creative pieces. This allows the entire university community to showcase their talents and share their knowledge with a global audience.
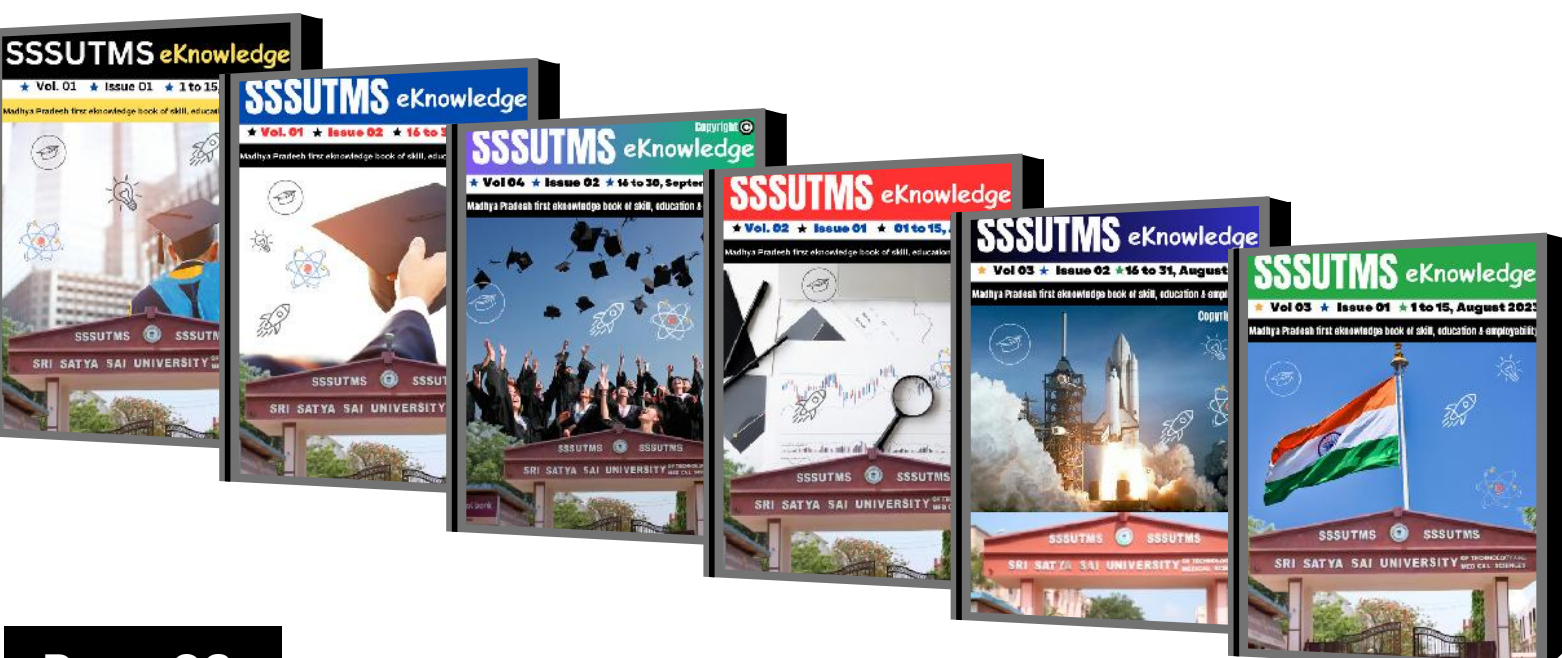
An Educational Resource

The e-magazine serves as a valuable educational resource for both the academic community and the wider public. Students can enhance their research, writing, and communication skills by contributing to and reading the magazine. Faculty members can disseminate their research findings and academic insights to a broader audience. The magazine also fosters a culture of critical thinking and continuous learning.

Connecting Minds

In today's digital age, the SSSUTMS E-Magazine is not just a repository of knowledge; it is a platform for connecting minds and fostering a sense of belonging within the university. It encourages dialogue, collaboration, and the exchange of ideas, making it an essential part of the SSSUTMS community.

Conclusion

The Sri Satya Sai University of Technology and Medical Sciences E-Magazine is more than just a publication; it is a testament to the spirit of innovation, collaboration, and learning that defines the university. As it continues to evolve and grow, the e-magazine is set to become a hub of creativity and knowledge, inspiring students, faculty, and readers worldwide. It is a reflection of the university's commitment to excellence and a glimpse into the future of digital education and communication.

Dr Neelam khare
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Department of Education

The Crucial Role of Teachers in the Modern Education System

In the rapidly evolving landscape of modern education, teachers play a pivotal role in shaping the future of our society. Their influence extends far beyond the classroom, impacting the intellectual, emotional, and social development of students. Here, we delve into the essential functions of teachers in the modern education system.

First and foremost, teachers are the architects of knowledge. They possess the expertise to impart curriculum-based information to their students. In today's information age, teachers are tasked with not just transmitting facts but also with instilling critical thinking skills, problem-solving abilities, and the capacity to adapt to a constantly changing world. They are the bridge between textbooks and the practical application of knowledge.
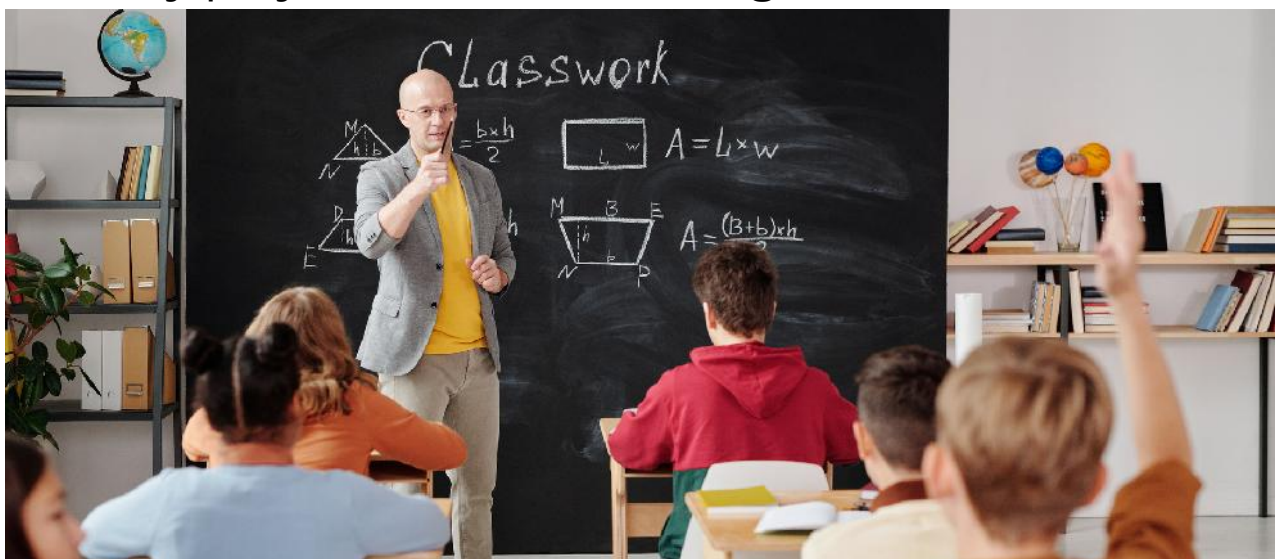
Teachers also serve as mentors and role models. They inspire and motivate students, nurturing their interests and talents. A great teacher can ignite a lifelong passion for learning. Their guidance extends beyond academics to character development, instilling values and ethics in their students, which are crucial for responsible citizenship.

In the modern education system, teachers have the essential responsibility of catering to diverse learning needs. They must recognize that each student is unique, with different learning styles, abilities, and backgrounds. Adaptability is key, and teachers must employ various teaching strategies to ensure no one is left behind.

Furthermore, teachers act as facilitators of social development. They create a safe and inclusive learning environment, promoting collaboration, respect, and empathy. In an era of global interconnectedness, teachers help students navigate the complexities of the world, fostering cultural sensitivity and open-mindedness.

Moreover, the role of teachers in modern education extends to technological integration. They need to harness the power of technology to enhance learning experiences and provide students with skills for the digital age. This involves not only using digital tools but also teaching digital literacy and responsible online behavior.

In **conclusion**, teachers are the backbone of the modern education system. They are responsible for shaping the minds and character of the next generation. Their role extends beyond academic instruction to include mentorship, social development, and technological integration. The success of our education system and, by extension, the progress of society, depends on the dedication and competence of our teachers. As we move forward, it is crucial to recognize and support the invaluable role they play in our ever-evolving world.

Mr. Rishabh Rathore
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DRESS CODES EFFECTS ON ORGANIZATIONAL CULTURE IN THE WORKPLACE

INTRODUCTION

The purpose of this paper is to establish the effect of dress codes on productivity, organizational culture, performance, and employee morale. Three categories of dress codes have been established: casual, business casual and formal. The paper defines the downsides of the three categories of dress, the different organizational environments each policy creates, and the several perceptions of the coworkers, clients, upper management and employee.

The paper also highlights the dress code trends throughout the past few years and explanations of implemented policy changes. There are many conditions to consider before a company should apply a new dress code. This paper outlines the rules for dress code modification, as well as recommendations for the employees. If a new dress code policy is applied, these guidelines will ease the change and will minimize negative reactions to organizational change.

Throughout recent years, clothing standards throughout all organizations in India have gone through extreme changes. In the work environment, change has been most conspicuously found in the space of relaxed, easygoing business and formal codes of dress. Examination and investigation has affirmed that an organization's predefined clothing regulation strategy interrelated affects worker conduct, execution, and efficiency.

Over the span of ongoing years, clothing guidelines generally through organizations in India have gone through uncommon changes. In the workplace, change has been most undeniably tracked down in the space of loose, business agreeable and formal codes of dress. Investigation and examination has confirmed that an endeavor's predefined clothing guideline system interrelated influences agent approach to acting, execution, and productivity.

The reason for this paper is to lay out the connection between clothing regulations in the working environment and worker execution and spirit. Three classes of clothing regulations will be talked about casual, business casual, and formal, or once in a while alluded to as customary. While a more easygoing methodology might lift workers' feeling of confidence and solace, it might adversely affect execution. As well as investigating the writing of this subject, interviews with three chiefs have been incorporated to show what each organization's clothing regulation is seen to mean for the presentation and spirit of representatives.

TRENDS IN CASUAL DRESS

Casual dress regulation strategies started after a short downturn in the nineties, which made many organizations scale back. The web was presented, intensifying the requirement for long available time and joined with a downturn in the economy made organizations embrace a more financially savvy dress strategy. This better approach for dressing made ready for future corporate strategy, permitting laborers to avoid the stodgy "elderly person in a tie" focus on a more current, agreeable look.

Casual dress regulations upgrade a hierarchical culture of silliness and pleasantness; a few website monsters actually utilize this technique. For most organizations, nonetheless, Casual dress is conflicting with business values and targets since it imparts less. Hence, a change was required. The following classification of clothing regulation is the "fair compromise" between the two limits of casual and formal.

TRENDS IN BUSINESS CASUAL DRESS

The use of a casual dress code standard has been viewed as a profoundly esteemed worker benefit. Business easygoing dress incorporates clothing that is more loose and relaxed, yet at the same time projects an expert, professional picture. In the present business world, business casual is frequently portrayed by khakis or dark jeans with a captured shirt.

Business casual clothing has permitted representatives independence from the expenses related to formal business clothing, as well as enabled them to feel more loose while at work.

Over the long run, business relaxed clothing has become excessively easygoing. Ambiguous composed arrangements that main state OK clothing, barring particulars about improper attire, and workers persistently testing the clothing standards' limits add to this too-relaxed pattern. This requires the organization to support or adjust their composed clothing standards. At the point when alterations are made, it might very well be important for partnerships to have design shows, give gifts with pictures of the "rules and regulations" of business easygoing, or recruit experts to direct representative courses about the new strategy.

One more downside of business casual dress is the absence of power the picture depicts. Because of this discernment, people might have some harder memories of advancing professional officialism. Views of the person by clients may likewise be adversely impacted, as an absence of power is normally connected with a decreased feeling of reliability.

TRENDS IN BUSINESS FORMAL DRESS

Formal clothing in a business climate incorporates suits and ties for men, while ladies require matching suits with pants or a long skirt and a coat. The traditional shades of professional dress are usually navy and black. This style of dress in the workplace environment was the norm until the dot-com boom of the nineties, when many organizations decided on more relaxed clothing regulations. During the bedlam of the web frenzy, many firms couldn't contend and left business. To recover their situations on the lookout, the leftover organizations started moving towards a more formal dress code.

Dressing all the more formally and professionally exudes a message of power, validity, certainty, and a triumphful situated mentality. Where more casual dress might be implemented to advance nearer connections among workers, formal dress is utilized to improve status, regard, and effectiveness.

CONCLUSION

Dressing is a fundamental part of our personal improvement. It grants us to impart our differentiation, support sureness, and have a constructive outcome on others. By means of mindfully picking our apparel, considering factors like individual style, occasion, and-close and personal impact, we can change our dressing choices to our optimal mental self-view. Dressing enormously updates our conviction as well as affects how others see us. A helpful resource for self-enunciation grants us to display our personality, values, and inventiveness to the world. Embrace the opportunity to dress in a way that reflects your extraordinary self, and watch as your style transforms into a basic piece of your personal cycle.

Casual dress standards supported a loose and cordial workplace for representatives, but advanced absence of power and incredible skill. This destruction helped lead to a more current business casual look that depended on maintaining principles of value in the working environment. A relaxed business setting gives a fair compromise between easygoing and formal clothing standards. Laborers show more proficiency and authority at work when they are expected to leave their normal, ordinary clothing.

Research reasons that while there is no standard clothing regulation, there is a framework where every industry recognizes patterns to advance ideal proficiency. While making and carrying out a clothing standard, associations should think about their statement of purpose and values, as well as the culture they wish to portray.. As a visual articulation of these variables, standard clothing strategy conveys monstrous importance for all business associations.

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India's New Education Policy: A Paradigm Shift in Learning

INTRODUCTION

India's New Education Policy (NEP), unveiled in July 2020, marks a significant transformation in the country's approach to education. The NEP aims to revolutionize the Indian education system by focusing on holistic learning, flexibility, and inclusivity. This policy, after three decades of stagnation, promises a brighter future for the country's youth.

Holistic Learning

The NEP recognizes that education goes beyond rote memorization. It emphasizes holistic development, shifting the focus from exams to practical knowledge and critical thinking. The policy encourages project-based learning, interactive classrooms, and a multidisciplinary approach to education. This approach ensures that students acquire not only academic knowledge but also life skills.

Flexibility

Flexibility is at the core of the NEP. The policy promotes a 5+3+3+4 structure, which divides school education into age-appropriate stages. This approach enables a more flexible curriculum and assessment system, allowing students to choose subjects of their interest and pace their learning accordingly. It also encourages vocational education and skill development, equipping students for the rapidly evolving job

Multilingualism

Recognizing India's linguistic diversity, the NEP encourages the use of the mother tongue or regional language as the medium of instruction in schools. This approach not only makes learning more accessible and inclusive but also preserves the rich tapestry of Indian languages and cultures.

Inclusivity

The NEP strives to ensure equal educational opportunities for all, focusing on marginalized communities and children with disabilities. It envisions the establishment of Special Education Zones and inclusive classrooms. Moreover, it promotes scholarships and financial aid to reduce the educational divide.

Higher Education Reforms

The NEP emphasizes the importance of research and innovation by encouraging autonomy in higher education institutions. It promotes the establishment of the National Research Foundation to foster a culture of research and development.

Challenges and Implementation

While the NEP holds great promise, it faces challenges in terms of implementation. Adapting to the new system, addressing infrastructure gaps, and training educators are among the hurdles to overcome. The government must work collaboratively with stakeholders to ensure the successful execution of the policy.

Conclusion

India's New Education Policy is a groundbreaking initiative that aims to shape a brighter future for the nation's youth. By emphasizing holistic learning, flexibility, multilingualism, inclusivity, and higher education reforms, the NEP offers a well-rounded approach to education. While the path to its successful implementation is not without challenges, the potential benefits for India's education system and, consequently, its workforce and society, are immense. The NEP is a significant step towards nurturing a new generation of Indian learners who are well-prepared for the challenges and opportunities of the 21st century.

Dr. Gajraj Singh Ahirwar
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Department of Commerce

ब्रेन हारवेस्टिंग

ब्रेन हारवेस्टिंग शब्द कुछ अजीब लग रहा होगा, ब्रेन ब्रेनहारवेस्टिंग से तात्पर्य ब्रेन से नकारात्मक विचारों को हटाना। ब्रेन हमारे शरीर का सबसे महत्वपूर्ण अंग है। लगभग सभी मनुष्यों के ब्रेन की संरचना एक जैसी ही होती है, जो हमारे शरीर की गतिविधियों को कंट्रोल करता है।

"ब्रेन की संरचना एक जैसी होने के बावजूद, हर व्यक्ति का तरीका अलग- अलगा होता है, क्यों ?"

हारवेस्टिंग से तात्पर्य जिस तरह मशीन से फसल की कटाई की जाती है, और जिससे खेत साफ हो जाता है, और 'दोनों किसान के पास रह जाता है, जो कि खेत में पायी जाने वाली हर वस्तु से महत्वपूर्ण होता है। जिस तरह फसल के बोने से पहले जमीन पर पाए जाने वाला कचरा, घास, अनावश्यक चीज़े जमा होती है उनको हटाने के बाद ही बीज बोया जाता है, तभी फसल अच्छी होने संभावना अधिक होती है. तभी बीज एक अच्छी फसल का रूप ले सकता है।

उसी तरह हमारे ब्रेन में बहुत सारा कचरा जमा होता है, कचरे से तात्पर्य किसी केमिकल से नही बल्कि नकारात्मक विचारों से है, बचपन से हमारे ब्रेन मे हमारे परिवार द्वारा, समाज द्वारा, आसपास के द्वारा, सोशल मीडिया द्वारा हमारे ब्रेन में अच्छे-बुरे विचारों का जमाव होता रहता है, अच्छे विचार मतलब हमारे संस्कार, हमारी संस्कृति, नैतिकता, मानवता, अपने कर्तव्यों एवं दायित्वों के प्रति दृण होना, आदि, बुरे - विचार मतलव, लालच, भय, तुलना करना, जलन, दूसरों की खुशी में दुखी होना, चुगली करना, चोरी करने की आदत। 'हम' की भावनान होकर मैं' भावना आदि।

Mr. ASHUTOSH FARELA
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SCHOOL OF MANAGEMENT STDUIES

AI in Marketing Analytics: A revolution for Businesses

Introduction

The use of AI in marketing analytics is not just a trend; it's a revolution that's modification the marketing outlook. As AI technology continues to evolve, its role in marketing analytics is set to become even more significant.

Artificial Intelligence is revolutionizing various sectors, and marketing is no exception. AI in marketing analytics transforms how businesses understand and engage with their customers.AI enables entrepreneur to analyze vast amounts of data quickly and accurately, providing insights to drive more effective marketing strategies. With AI, businesses can better understand their customers, predict future trends, and make data-driven decisions. Getting Started with AI in Marketing Analytics to leverage the power of AI in marketing analytics, businesses first need to understand their marketing goals and the challenges they face. AI can solve various marketing challenges, from customer distribution to campaign optimization and performance analysis.
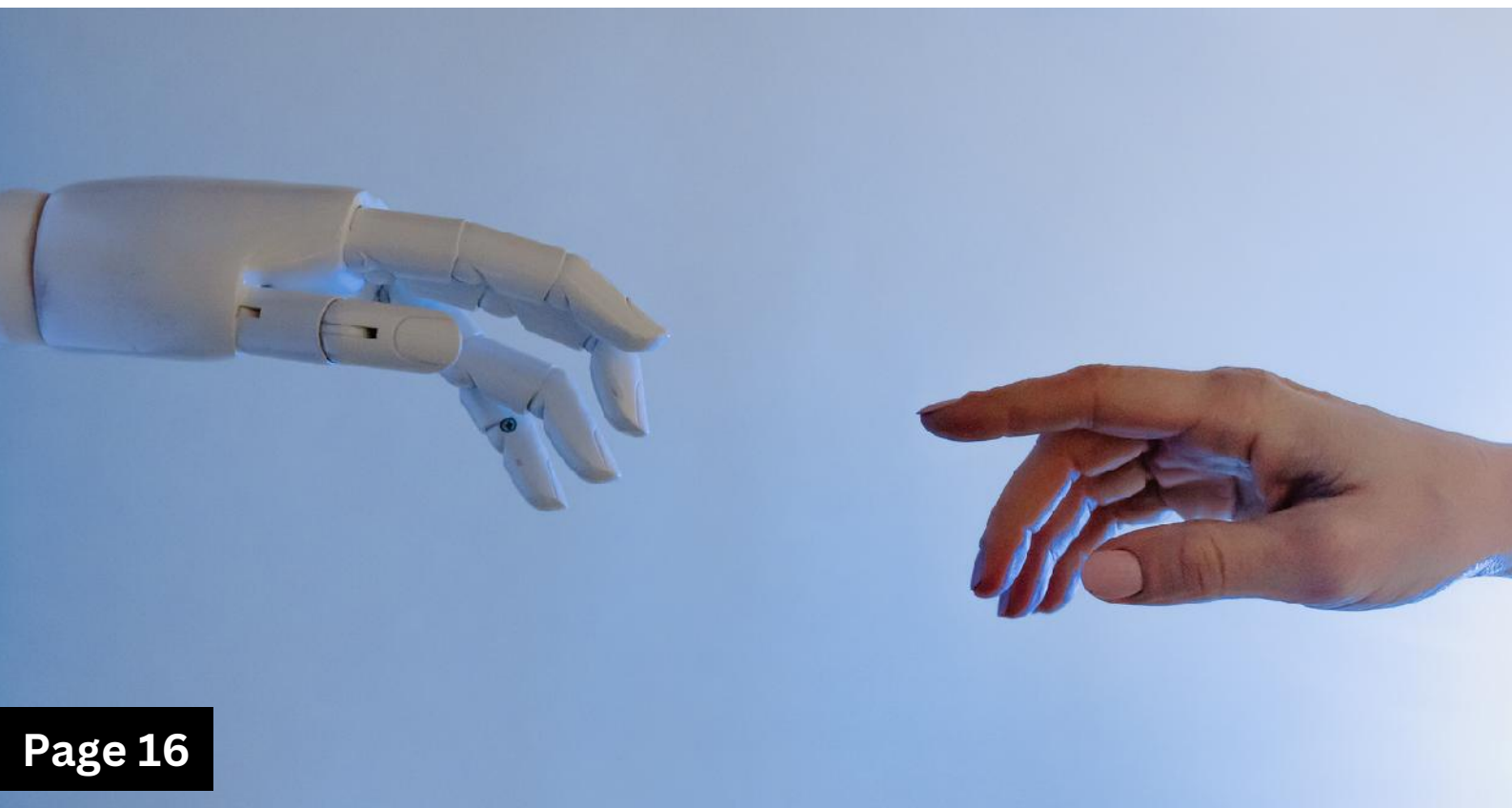
AI Tools

There are numerous AI tools available that can enhance marketing analytics.

Choosing the right AI tool is crucial. It should align with the business's marketing goals, integrate seamlessly with existing systems, and be easy to use. Lastly, businesses need a team that understands AI and can effectively use it to drive marketing analytics.

Choosing the right AI tool for marketing analytics depends on the specific needs and goals of the business. It's essential to consider factors such as the tool's capabilities, ease of use, integration with existing systems, and cost.

These tools leverage AI to analyze data, provide insights, and automate tasks, helping businesses to create more effective marketing strategies.
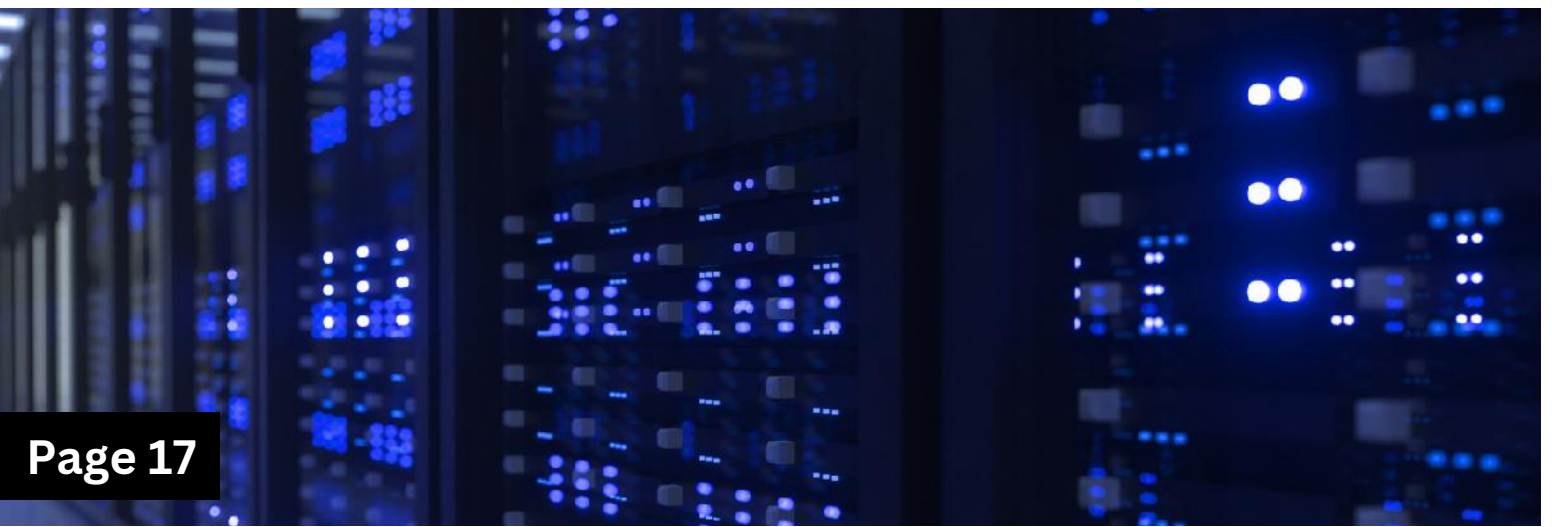
AI tools for marketing analytics

1. Jasper: Many recognize Jasper as the best overall AI writing assistant, leading the market with its impressive features and quality. You first provide it with seed words, which Jasper then analyzes before creating phrases, paragraphs, or documents based on the subject matter and tone of voice. It is capable of producing a 1,500-word article in less than 15 minutes.

2. Google Analytics: Google Analytics is a web analytics service offered by Google that tracks and reports website traffic and also the mobile app traffic & events, currently as a platform inside the Google Marketing Platform brand.

3. HubSpot: HubSpot is an American developer and marketer of software products for inbound marketing, sales, and customer service. HubSpot was founded by Brian Halligan and Dharmesh Shah in 2006.

4. Brandwatch: Brandwatch is a social media suite company owned by Cision. Brandwatch sells two different products: Consumer Intelligence and Social Media Management. Consumer Intelligence is made up of three different products: Consumer Research and add-ons Vizia and Reviews.

Role of AI in Marketing

Artificial Intelligence in Marketing is now one of the most prominent examples. AI plays a pivotal role in marketing analytics. It can analyze vast amounts of data quickly and accurately, providing valuable insights to drive more effective marketing strategies.AI can help businesses understand their customers better, predict future trends, and make data-driven decisions. It can also automate repetitive tasks, freeing up time for entrepreneur to focus on more strategic activities. Artificial Intelligence (AI) is helping entrepreneur predict what their customers want and is a key contributor to more seamless customer experiences.

To best communicate with customers and then serve they tailored messages at the right time, ensuring the maximum efficiency possible and without interference from marketing team members, data and customer profiles are used by AI tools.

Benefits of AI in Marketing

Increased Productivity: Using AI, you can easily automate several repetitive tasks. This will save a lot of time and resources and increase productivity.
Increased ROI: AI boosts your decision making and helps you create better-performing content. Due to its advantages in understanding the audience better, you can drive targeted digital marketing campaigns, resulting in better Return on Investment (ROI).
Understanding your audience better: AI helps you analyse large amounts of data and predict every customer's buying behavior/decisions. This allows you to effectively implement dedicated marketing campaigns to a target audience. It also helps in boosting customer satisfaction and engagement.
Effective Marketing: AI puts an end to the assumptions while marketing. You can devise a more effective digital marketing strategy using AI-driven data analysis and services.
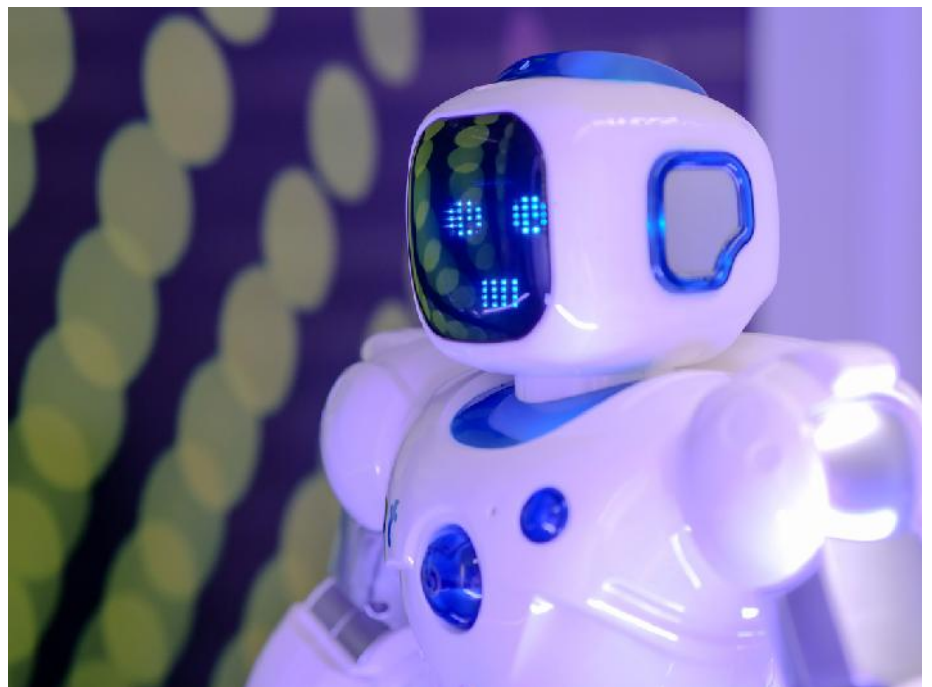**Improved User Experience:** With AI in marketing, you provide the right audience with the right content. This enhances csustomer satisfaction as they find what they need. Reports have shown that consumers are more likely to be driven towards brands implementing AI in their marketing strategies.

Conclusion

AI in marketing analytics is a powerful tool to help businesses improve their planning and achieve better results. AI is now more reachable for businesses, making it a valuable tool for digital entrepreneur. It is irrefutable that AI largely influences the choices of your customers, helping to provide relevant recommendations and proper customer service. Looking at the ways that you can make use of it will better enable you to grow your brand and meet the expectations of your customers. Businesses can create more customized, attractive, and effective marketing campaigns by leveraging AI.

The role of AI in marketing analytics will only continue to grow, making it an essential tool for businesses in the digital age. The power of AI in marketing analytics lies in its ability to analyze vast amounts of data quickly and accurately, providing insights that can drive more effective marketing strategies.

As businesses continue to embrace AI in their marketing analytics, we can expect to see more innovative and effective marketing campaigns in the future.

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Exploring Alternative Fuels for a Sustainable Future

Introduction

The global dependence on fossil fuels, such as gasoline and diesel, has led to several environmental and economic challenges, including climate change, air pollution, and energy security concerns. In response to these issues, there has been a growing interest in alternative fuels, which offer more sustainable and environmentally friendly options for powering our vehicles, industries, and homes. This article explores various alternative fuels that hold the potential to reduce our reliance on fossil fuels and mitigate their associated problems.

Biofuels

Biofuels are derived from organic materials, such as crops, agricultural residues, and algae. There are two main types of biofuels:

Biodiesel: This is produced from vegetable oils or animal fats through a chemical process called transesterification. Biodiesel can be used in diesel engines without modification and is considered a renewable and carbon-neutral fuel.

Ethanol: Ethanol, primarily made from corn or sugarcane, can be blended with gasoline to reduce carbon emissions. E85, a blend of 85% ethanol and 15% gasoline, is gaining popularity in flex-fuel vehicles.

Hydrogen

Hydrogen is a clean and versatile fuel that can be used in a wide range of applications, from powering vehicles to generating electricity. When burned or used in fuel cells, hydrogen produces only water vapor as a byproduct. However, hydrogen production and storage still face challenges in terms of cost and efficiency.

Natural Gas

Natural gas is a fossil fuel, but it is often considered an alternative to gasoline and diesel due to its lower carbon emissions. Compressed natural gas (CNG) and liquefied natural gas (LNG) can be used in vehicles, and they are particularly popular for heavy-duty trucks and buses.

Electricity

Electricity is increasingly being used as an alternative to fossil fuels, especially in the transportation sector. Electric vehicles (EVs) have gained popularity due to their zero tailpipe emissions and efficiency. Advancements in battery technology have extended the driving range of EVs, making them more practical for everyday use.

Hydrogen Fuel Cells

Hydrogen fuel cells combine hydrogen with oxygen to produce electricity, and they are a promising alternative for various applications, including vehicles, stationary power generation, and even spacecraft. Fuel cells are highly efficient and produce no harmful emissions, making them an attractive option for a sustainable future.

Synthetic Fuels

Synthetic fuels, also known as e-fuels or power-to-liquids, are created through processes that use renewable electricity to convert carbon dioxide (CO_2) into synthetic hydrocarbons. These fuels can be used in existing engines and infrastructure, making them a potential solution for reducing carbon emissions in hard-to-decarbonize sectors, such as aviation and heavy industry.

Challenges and Considerations

While alternative fuels offer promise, there are challenges to overcome:

Infrastructure: Many alternative fuels require new or modified infrastructure for production, distribution, and consumption. Building this infrastructure is often a time-consuming and costly endeavor.

Cost: Some alternative fuels are currently more expensive than traditional fossil fuels. However, as technology advances and economies of scale are achieved, costs are expected to decrease.

Energy Density: Alternative fuels often have lower energy density than gasoline and diesel, which can affect the range and performance of vehicles.

Sustainability: Ensuring that alternative fuels are produced sustainably and do not compete with food production or harm the environment is crucial for their long-term viability.

Policy and Regulation: Government policies and regulations play a crucial role in the adoption of alternative fuels. Incentives, subsidies, and emissions standards can drive or hinder their development and use.

Conclusion

The transition to alternative fuels is a crucial step towards a more sustainable and environmentally responsible future. Each of the fuels mentioned here has its unique advantages and challenges, and the choice of which to pursue will depend on various factors, including regional availability, infrastructure, and technological advancements. To combat climate change and reduce the environmental impact of our energy consumption, a combination of these alternative fuels, along with improved energy efficiency and conservation, is likely to be the most effective approach.

Dr. Santosh Jagwani
Associate Professor
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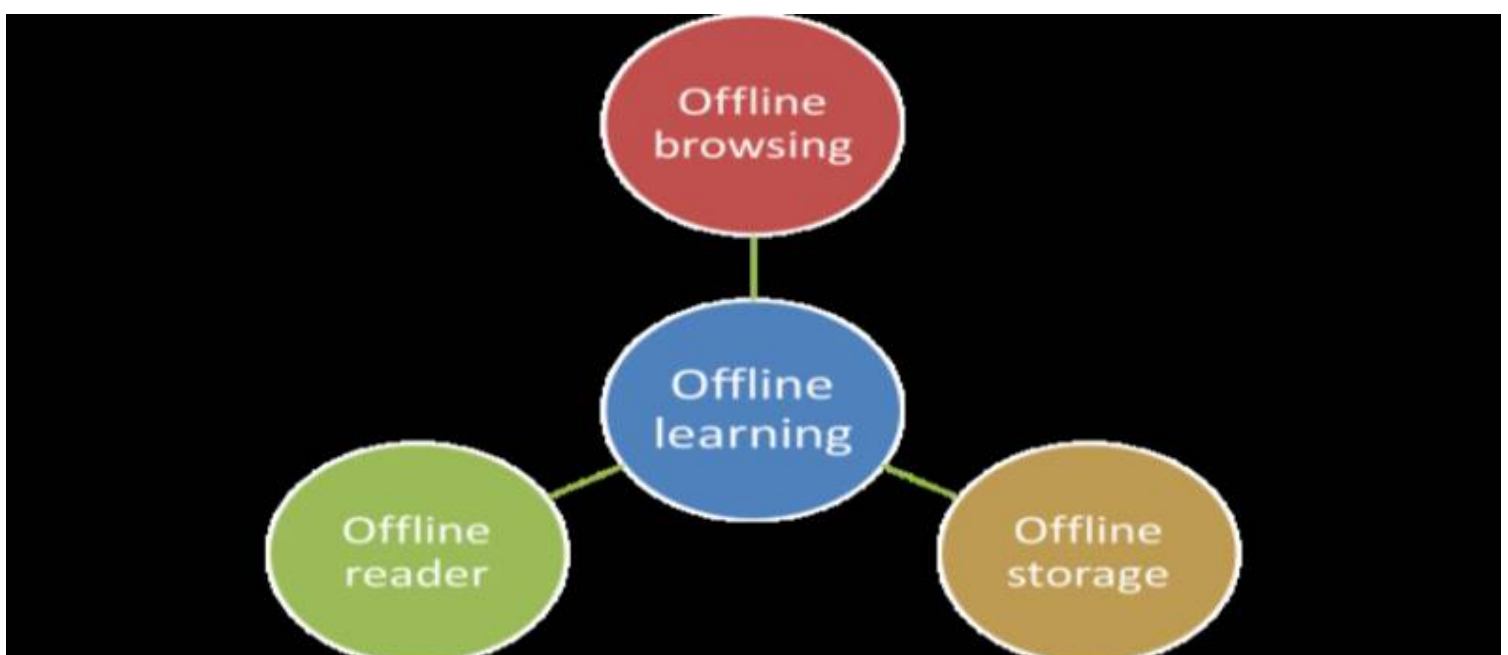# Influence of Offline and Blended Learning

To initiate an organization, students and teachers into e-learning, it is very essential to move them gradually from traditional classrooms to e-learning in small steps making changes easier to accept. Offline learning and blended learning provides solution to it by benefitting their bottom line. It enables instructors and instructional designers to develop skills needed for e-learning in small increments. It provides solution to the problem of heavy cost and resources required for e-learning.

Term online and offline have specific meaning with respect to computer technology. In general, "online" indicates a state of connectivity of the computer to the internet, while "offline" indicates a disconnected state. Offline learning is learning done through computer when it is not connected to internet. Offline learning is a convenient way of learning without the need of an internet connection.

Blended learning is an educational methodology that blends online or digital components with face-to-face instruction. Including technology in education helps set scholars up for success later in life, because computers and other connected devices are so integral to communication and business today. When learners learn in a blended learning setting, they do more than master the subject they're learning; they also master the use of technology.

Techniques in which offline learning can be used:

Offline Browsing: Offline browsing also known as "Offline favorites" is one of the special features of internet explorer. It allows saving single web pages, though not an entire site. In the off-line state, users can perform offline browsing, where pages that have previously been downloaded in the on-line state can be browsed. This can be useful when the connection to the internet is impossible or undesirable.

Internet Explorer: When pages are added to the Favorite list, they can be marked as "available for offline browsing" which will be available for the learner to read/refer even in the state when the computer is not connected to the internet.
 Offline Navigator: Offline Navigator is computer software that helps a learner to download   e-mail, newsgroup posts or web pages, making them available for reference when the computer is not connected to the internet. Offline navigators are often useful for portable computers.

Offline navigator: Offline navigator is computer software that helps a learner to download   e-mail, newsgroup posts or web pages, making them available for reference when the computer is not connected to the internet.

Offline storage: Offline storage device is any storage medium which has to be inserted into a storage drive before it can be accessed by the computer system.. Offline storage is also called as removable/detachable storage. For Example Floppy drive, Hard drive, Super disk, CD-ROM and CD rewritable, USB flash drives etc.

Blended Learning:

Definition: "Blended learning is a mixture of online learning and classroom that contain some of the facilities of online courses with the presence of face-to-face communication." Rovai and Jordan (2004)

Picciano (2006): "The Blended learning approach combines the best elements of online and face to face learning. It is likely to emerge as the predominant model of the future and become far more common than either one alone"

CONCEPT OF BLENDED LEARNING:

Blended learning referred to the following four different concepts:-
To combine mix modes of web-based technology : To accomplish an educational goals, live virtual classroom, self-paced instruction, collaborative learning, streaming video, audio and text can be blend together with different combinations.

To combine various pedagogical approaches: To produce optimal learning outcomes various pedagogical approaches like constructivism, behaviorism and cognitivism can be blend together with or without instructional technology.

To combine any form of instructional technology: Instructional technologies, devices like CD-ROM , web-based training, film are used with face-to-face instructor led training.

To combine instructional technology with actual job task: Working experiences are blended together with learning experiences to create maximum and effective learning outcomes.

Examples of blended learning:

1. Make reference material available: Teacher can provide reference material i.e. notes, reference books, videos etc. and online through blogs, email etc.

2. Put the assessment online.

3 Deliver pre-work online

4. Provide online remedial teaching

5. Provide guidance/mentoring online

6. Arrange expert's lectures online

MODELS OF BLENDED LEARNING:

Flipped classroom: Flipped classroom / flipped learning is a modern approach to learning. It is opposite to that of traditional classroom. In traditional classroom, the classroom time is spent on lecturing to students. Whereas in flipped model, this time is utilized for discussion to encourage individualized learning and provide one-on-one help to students, and also to improve student-teacher interaction. The instructional or teachable content is given beforehand to students and still available in class.

Station Rotation Model: In a station rotation model, within a given course or subject, students are divided into different groups. Teacher fixed some learning stations i.e. online learning, individual tutoring, project work; assignment etc. students rotate at fixed points in time between these different learning stations. In the Station Rotation model, students rotate through all of the stations.

Lab Rotation Model: In a lab Rotation model, students rotate at fixed points in time between a classroom and computer lab. Students learn online in computer lab. Whereas, they are involved in various activities in classroom. In station rotation model students are rotating within a given classroom whereas in the lab model they are actually rotating out to a learning lab where they are doing their online learning.

Flex Model: Online learning is at the Centre of students' learning in the Flex model. Students have flexible schedule of their learning based on their need and fixed goals. Students get online learning experiences as well as offline face to face learning experiences. Face to face learning experiences are given through discussion, projects, mentoring, tutoring etc.; most of the learning takes place online.

ADVANTAGES OF BLENDED LEARNING

Blended learning allows learners the flexibility with their time to do their lessons anytime and anyplace as they have continuous access to the course material until a meeting with the lecturer becomes compulsory. It makes it easier to deal with educational administration and enables communication with all students. Virtual office hours make tutors far more accessible than in a strictly face-to-face scenario. Students get their learning needs and styles catered to whether they prefer online or face-to-face because it offers both in a single course. This leads to more interaction and active participation in discussion. Online resources are updated and upgraded time to time. Thus, students have access to unlimited up-to-date resources.

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Department of Civil Engineering

The Use of Plastic in Road Construction Technology

In recent years, the use of plastic in road construction technology has emerged as an innovative and eco-friendly approach. This technology involves incorporating waste plastic materials into the construction of roads, providing several environmental and practical benefits. Plastic waste is a growing concern globally, and finding sustainable ways to manage it is crucial. Utilizing plastic in road construction is a step in the right direction.

One of the primary advantages of using plastic in road construction is the recycling and repurposing of plastic waste. By mixing shredded plastic waste with bitumen, a common binder used in road construction, we can create a stronger and more durable road surface. This not only reduces the amount of plastic waste in landfills and oceans but also decreases the demand for fresh bitumen, which is derived from crude oil.

Plastic-modified roads exhibit enhanced properties, including greater resistance to wear and tear. These roads can withstand heavy traffic loads and harsh weather conditions, resulting in reduced maintenance and repair costs over the long term. In addition, the enhanced flexibility of plastic-modified roads makes them less prone to cracks and potholes, further improving their lifespan.

The use of plastic in road construction also contributes to environmental conservation. It prevents the release of harmful toxins during the disposal of plastic waste by converting it into a valuable resource. Moreover, plastic roads have shown promise in reducing greenhouse gas emissions. Their smoother surfaces reduce vehicle fuel consumption, resulting in lower carbon emissions and improved fuel efficiency.

Furthermore, this technology offers a sustainable solution to the problem of dwindling natural resources. By reducing the need for fresh bitumen, we decrease our reliance on fossil fuels and conserve these limited resources. Plastic roads are an example of the circular economy in action, where materials are reused and repurposed rather than being discarded after a single use.

While the use of plastic in road construction technology holds great promise, it is essential to consider certain factors, such as the quality of plastic used and its long-term effects on road performance. Research and development in this field are ongoing to address these concerns.

In **conclusion**, the incorporation of plastic in road construction technology is a commendable step towards environmental sustainability and efficient resource utilization. It not only addresses the plastic waste problem but also results in stronger, more durable roads that reduce maintenance costs and greenhouse gas emissions. As the world grapples with the challenges of plastic pollution and resource depletion, innovative solutions like plastic roads are paving the way for a greener and more sustainable future.
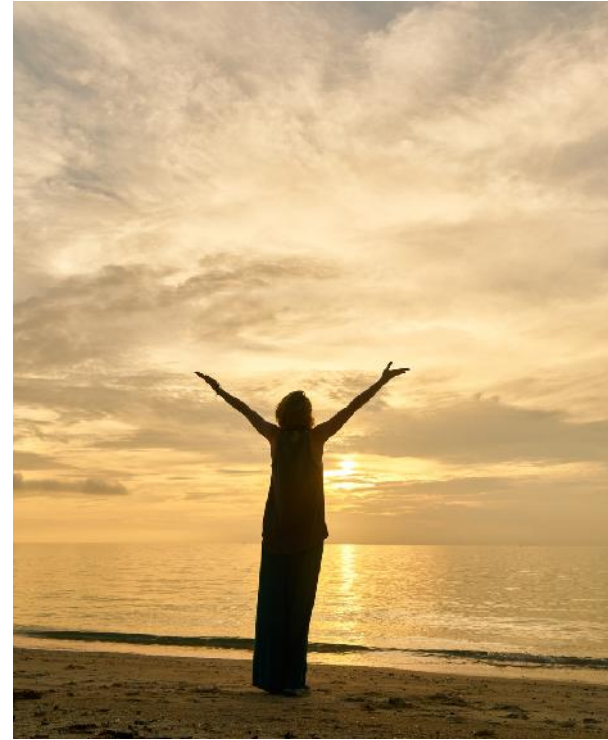
Motivational

डॉ. गार्गी सिंह

शिक्षा संकाय

औरत

मिट्टी की एक मूरत गढ़कर

नाम दिया है उसका औरत

लाज हया और शर्म से

गढ़ डाली है उसकी सूरत

मॉ बहन,बहु, बेटी

चारो का फर्ज निभाती है

वो पाल पोस के एक बच्चे को

छोटे से बड़ा बनाती है

वो जीवन संगिनी अर्द्धागिनी

वो खुद ममता की देवी है

वो त्याग दया और बलिदान से

अपने को कड़ा बनाती है

वो औरत हर बार जन्म होता है

सुख दुःख दोनो से हर बार मिलन होता है

कॉटो को दामन मे भर

फुलों से घर को सजाती है

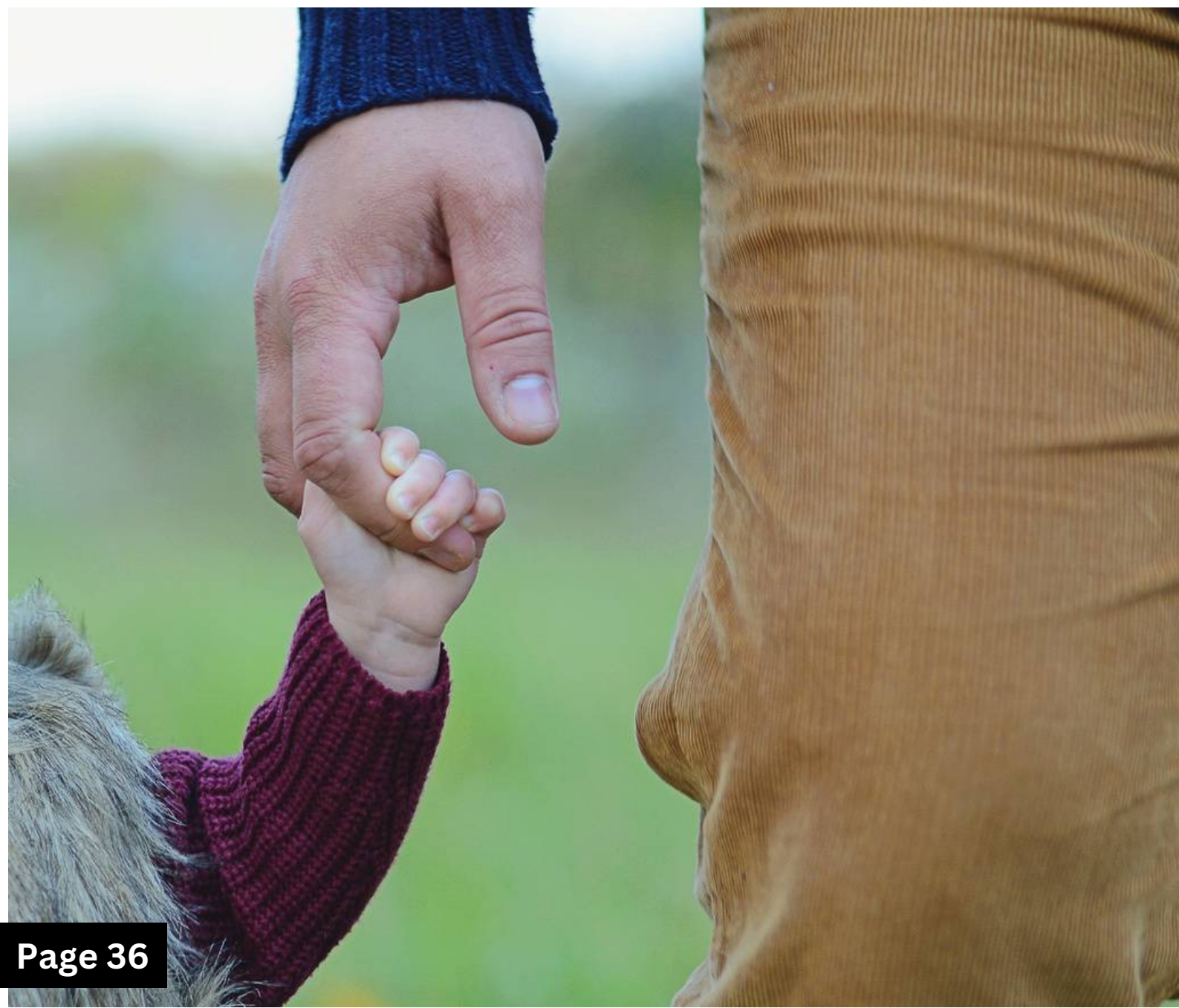वो औरत है दे नया जन्म

जीवन को सुखी बनाती है

डॉ. ऋषिकेश यादव

शिक्षा संकाय

पिता

पिता दो वर्ण का एक छोटा सा शब्द है पर इसका अर्थ अत्याधिक व्यापक है इसकी गहराई कभी मापी नही जा सकती क्योकि पिता की जिम्मेदारियों का कोई अन्त नही है और ये वो जिम्मेदारियॉ है जिनको वहन करते हुए एक पिता कभी नहीं थकता है सहर्ष पूरा जीवन इन जिम्मेदारियों को निभाते हुए स्वीकार करता है वो सुबह घर से निकालता है अपने जिम्मेदारियों को कन्धे पर लेकर और पूरा दिन अपने आप को तपाकर घर के लिए सुख सामाग्री की ठंडयी लेकर थका हारा बिना किसी सिकन शिकायत के अपने घर को लौटता है क्योकि वो जानता है कि उसके घर पहुचते ही मासूम से चेहरे और थकान को दूर करने वाले एहसास उसके नन्हे प्यारे बच्चे उसका इंतजार कर रहे है और जब वो उनके चेहरे पर मासूम हॅसी देखता है तो वो अपने पूरे दिन कि थकान को भूलकर उनको गले लगा लेता है और पुनः उर्जावान हो जाता है क्योकि वह अपने परिवार का रक्षाकवक्ष होता है जब वह परिवार के साथ होता तो परिवार के सदस्य अपने आपको सुरक्षित महसूस करते है क्योकि वह अपने परिवार के लिए धूप में छाव, बाड़ में नाव, ठण्ड में अलाव का काम करता है वो अपने जीवन की पूरी कमाई अपने बच्चो लिए नौछावर कर देता है जो बच्चो को बचपन में पिता अपनी उगलियॉ पकड़कर चलना सिखता है बच्चे की हर ख्वाईश पूरा करता है अपनी ख्वाईशों को ताक पर रखकर वह अपना पूरा जीवन अपने बच्चो के लिए समर्पित कर देता है और अपनी खुशियॉ उन्हे अर्पित कर देता है और अपनी जिम्मेदारियों को निभाते–निभाते कब वो बुढापे की तरफ चला जाता है उसे पता ही नही चलता और जब वो बुढ़ा हो जाता और तब उसे अपने बच्चों के मदद और सहारे की जरूरत पड़ती तब वही बच्चे जिनके लिए वह अपना जीवन दाव पर लगा देता उन बच्चों के पास उस पिता के लिए समय नहीं रहता तब पिता अपने जीवन भर जो काम करके नहीं थका अब उसे थकान महसूस होती है।

जब बच्चे अपने मनमानी करने लगते है अपने आपको उससे ज्यादा समझदार समझने लगते तब पिता को थकान महसूस होती है। अब बच्चे बड़े हो गये पिता अपनी जिम्मेदारियाँ निभाते हुए उनका विवाह कर दिया अब उनके बच्चे हो गये वो नौकरी करने लगे जब वो अपने काम से घर लौटते तो उनके हाथ में थैला देखकर पिता सोचता शायद बेटा कुछ लेकर आया लेकिन नही बेटा थैला लेकर अपने रूम में चला जाता और थोड़ी देर बाद बहु उस बाजारू थैले को कोने में रखे कचड़े के डब्बे में डाल देती और पिता देखता रह जाता पिता तब थकान महसूस करता है । वो समय हमारा था जब हम अपने परिवार के लिए कुछ लेकर काम से लौटते आज समय बहु और बेटे का है। तब वो इसे अपनी किस्मत समझकर चुपचाप लेट जाता पिता तब थकान महसूस करता है।

डॉ धीरज शिन्दे
शिक्षा संकाय

मेरा गाँव

गाँव शब्द सुनते ही हमारे सामने एक चित्र आने लगता है मिटटी, खेत, खलिहान कच्चे मिटटी के बने घर और एक बीच में बड़ा सा ऑंगन जिसमे चारपाई पर बैठी बुढी अम्मा ऑंगन से निकलता धुआ हॉ यह वही गाँव है जहां आज भी हॅसी के ठहाके गुंजते है आज भी सुख–दुख में पूरा गाँव इकटठा हो जाता अपनी पूरानी सांस्कृति को जीवंत किये हुए है गाँवों सादगी और ताजगी मन मोह लेती है आडम्बरों से दूर गाँव आज भी हकीकत की बाहो में सॉंसे ले रहा है ये वे सॉंसे है जो गाँव के जीवन को दीर्घायु बनाती है क्योकि वहॉ हरियाली से लहलहाते खेत हरे–भरे बगीचे कल–कल बहती नदियॉ,फलों से लदे वृक्ष, फूलों से महकते ऑंगन, भौरे के गुंजन से भरी बगिया, कलियों पर मड़राती तितलियॉ वेखैफ घुमते पालतू जानवर वाह क्या गाँव का दृश्य है मनमोहक ऐसा ही मेरा गाँव है कई बार मन में ख्याल आता है निकल जाउ शहर के इस आडम्बर से जहॉ दिखावे के झुठे रिश्ते बनावटी चेहरे घुटती जिन्दगी और मजबुरीयों का बोझ है मजबूरी अपने परिवार को एक सूखद जीवन देने की बच्चों के उड़ान को आसमान देने की उनके सपनों को सकार करने की भविष्य को आकार देने की बस इन्हीं बेडियों ने बाध रखा है और मुझे मेरे गाँव से दूर कर रखा है पर जब भी इन जिम्मेदारियों से मुक्त होउगा तब मै अपनी गाँव के गोद में एक बार फिर खेलना चाहूँगा पर शायद ये मेरा सपना है क्योकि मेरी जिम्मेदारिया मरते समय तक अपने परिवार के मोह में मुझे बाधे रखेगी और शायद मुझे ऐसा लगता है कि मेरे गाँव की याद मेरे साथ ही जायेगी ।

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COP Department

Motivation

"If you've never failed, you've never lived" is how the saying goes.

I've said it before and I'll say it again: we should celebrate failure, not just success. We should celebrate failures every bit as much as we love to laud success. Sadly, failure is less accepted for those who choose to work for someone else.

Employers who want to hire candidates with real grit, experience, and determination should most certainly value candidates who have made mistakes in the past.

Why? Never failing is a sure sign of low ambition. Because exposing yourself to the possibility of failure shows courage and a willingness to pursue difficult goals. Because failure is a source of deep learning and personal growth.

Failure is probably one of the aspects in life most people are afraid of. But the truth is: everyone has failed and everyone will fail again. We sometimes forget that all successful people have failed, but they did not stop after their failures. They stood up and tried again, time after time. We tend to think that people who are successful were just lucky, it just fell into their laps or they just had the right connections.
Some of the biggest and most successful companies in the world have made a point of celebrating failures that have come about through appropriate risk-taking and innovation, as well as their successes.
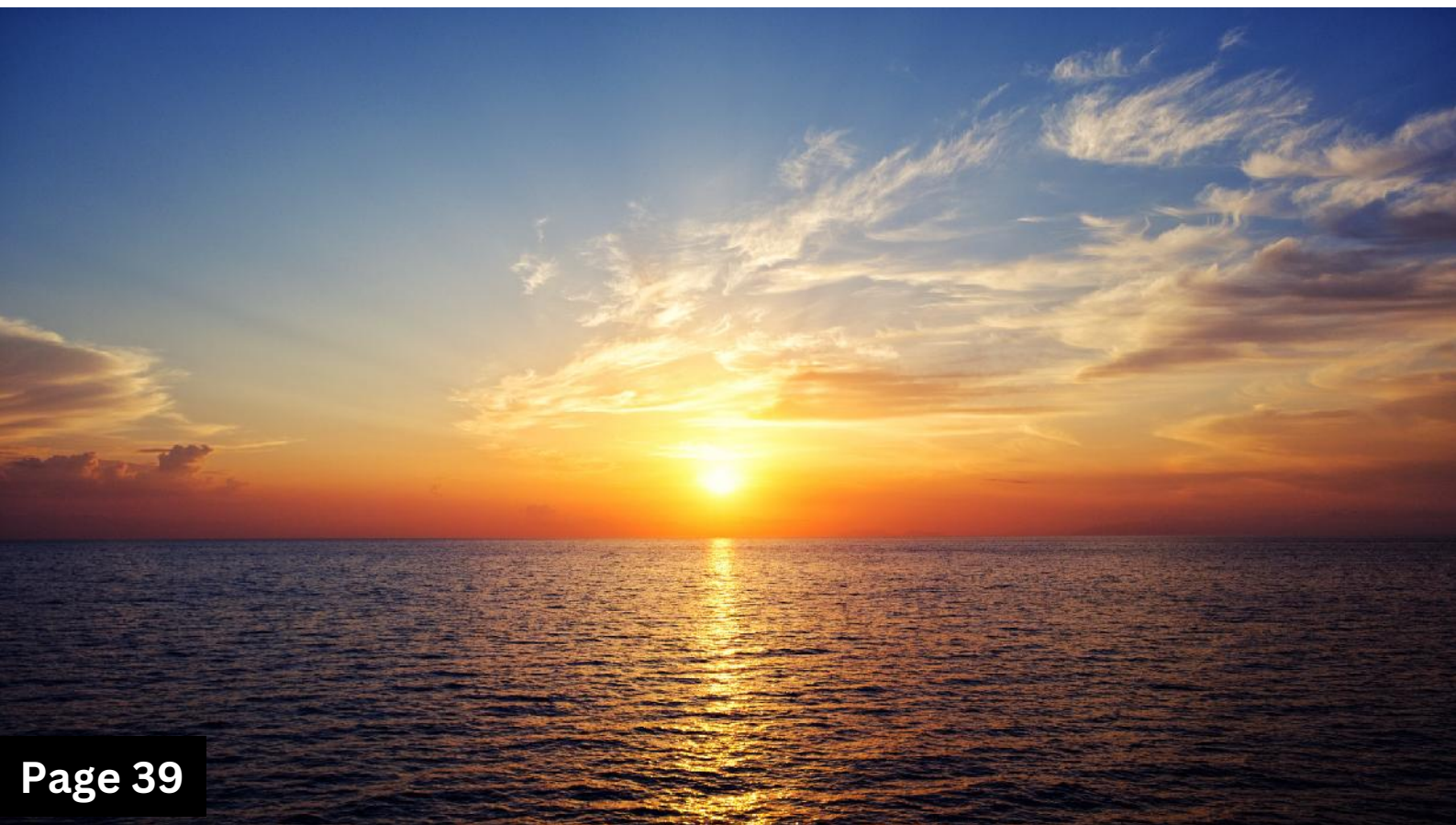
Tata famously has a 'Dare to Try' award which is awarded to those failures that came through innovation and gave the company some valuable lessons. Proctor and Gamble have a 'Heroic Failure' award that honors employees or teams who gained the most insight from a failure.

What is common among these initiatives is that they encourage innovation and risk-taking and accept that failures can offer very valuable lessons that then help the organization go on to succeed.

Of course, if a company is constantly failing and does not turn those failures into success, it's not going to last all that long, but a company that is afraid of failure and does not learn from it is rarely going to be a success.

When people are successful, we always focus on their success, not on the years of struggle, failure and trying again and again. We only see the bright side and don't want to or forget about the years of hard work, while those years mostly bring the most inspiring and motivational stories.

So do not be afraid of failure, it is a part of your road to success. Obviously, just how often we fail depends on how we define failure, and how big a mistake has to be to count. The more important point is that we need to embrace failure, not fear it. We might not be ready to hold a party after our latest disaster, but we should certainly be looking to maximize the learning opportunity.

SRI SATYA SAI UNIVERSITY
OF TECHNOLOGY AND MEDICAL SCIENCES

जरुरी - इस पुस्तिका में सभी लेख और तथ्य, कई सामग्रियों के अध्ययन के बाद लिए गए है, साथ ही ये लेखक की अपनी सोच है, पाठक इस पर अपनी राय अपने विवेक से लें . - **धन्यवाद**