AI

TRANSFORMING

TODAY

AUDIO

VIDEO

MP3

MP4

MP4

CHAT

MP4

PROMPT

ART GENERATE

PNG

PNG

EMPOWERING

TOMORROW

Contents

Welcome to this special edition of our magazine, dedicated to one of the most transformative forces of our time: Artificial Intelligence. Artificial Intelligence (AI) is no longer a distant dream but a present reality, seamlessly integrated into various facets of our daily lives and industries. This edition of our magazine focuses on the profound impact of AI, highlighting its transformative capabilities and its potential to redefine the future.

AI has evolved into a critical driver of innovation and efficiency. Its applications are revolutionizing production processes, quality control, and market forecasting, marking the advent of a new era of precision and innovation. The integration of AI not only enhances productivity but also sets new standards for quality and sustainability.

One of the most profound impacts of AI is its ability to enhance our daily lives by increasing efficiency and productivity. For instance, AI-driven personal assistants like Siri, Alexa, and Google Assistant have become integral parts of our routines, helping us manage schedules, set reminders, and even control smart home devices. These assistants learn from our behavior and preferences, making interactions more intuitive and personalized over time.

The future of AI is brimming with potential and it promises to address complex global challenges, including healthcare accessibility, climate change, and educational disparities. AI's ability to analyze vast amounts of data and generate actionable insights positions it as a powerful tool for fostering sustainable and equitable growth, paving the way for a smarter, more inclusive world. This capability can lead to more informed decisions in our personal and professional lives. These applications demonstrate AI's potential to not only improve individual lives but also address broader societal issues.

Collaboration between humans and AI is an area where we can reap significant benefits. Rather than seeing AI as a replacement for human effort, we should view it as a powerful tool that can augment our capabilities. AI can assist us in creative processes, provide us with new insights, and even inspire us to think differently. By working alongside AI, we can achieve more than we ever could alone.

However, the rapid advancement of AI brings with it significant ethical considerations. Issues related to data privacy, algorithmic bias, and the impact on employment require careful navigation. It is essential to ensure that the deployment of AI adheres to principles of fairness, transparency, and inclusivity, safeguarding the interests of all stakeholders.

As we explore the vast potential of AI, it is crucial to remain vigilant about the ethical implications. The responsible use of AI must be guided by a commitment to fairness and inclusivity, ensuring that the benefits of this powerful technology are shared broadly and equitably. This approach will help mitigate potential negative impacts, such as job displacement and privacy concerns, and foster trust in AI systems.

The power of AI lies in its ability to augment human potential. It is a tool that, when used wisely, can help us build a brighter, more equitable future. Together, we can ensure that AI transforms today and empowers tomorrow.

In this issue, you will gain a comprehensive understanding of how AI is currently transforming various sectors and the potential it holds for empowering the future. The insights provided in these pages are intended to inspire thoughtful reflection on the role of AI in our world and encourage proactive engagement with this transformative technology.

We invite you to delve into this issue of the magazine, engage with the diverse perspectives, and contemplate the transformative role of AI in our world. Through these insights, may we all be inspired to harness the potential of AI to build a brighter, more innovative future. Let us embrace the opportunities presented by AI with a commitment to ethical practices and a vision for a sustainable, inclusive tomorrow.

Vivarta Atre
Corp. Comm.

CHAIRMAN'S MESSAGE

Dear Colleagues

The rapid evolution of technology has brought us to a point where the synergy between human intelligence and artificial intelligence (AI) is reshaping our world. Today, AI has become nearly pervasive, revolutionizing the way we operate, innovate, and interact. However, the true power of AI is unlocked only when combined with human intelligence. It is the human element – our ability to ask the right questions, interpret data, and make informed decisions – that turns AI into a powerful tool for progress.

With the rapid advancements in technology today, the intersection of AI and human creativity has become a powerful catalyst for innovation. The fusion of these two forces is not just reshaping industries; it's revolutionizing the way we work, unlocking new possibilities, and propelling us into a future where the boundaries between imagination and implementation are blurred.

By enhancing problem-solving and analytical skills, individuals can develop, manage, and implement AI solutions that save time and serve as reliable digital collaborators. At Vardhman Textiles, we've always taken pride in being at the forefront of innovation, and the advent of AI presents us with unprecedented opportunities to enhance our operations, drive growth, and empower our workforce.

The transformative power of AI lies in its ability to augment human capabilities. By automating routine tasks, AI allows us to focus on more strategic, creative, and fulfilling work. This synergy between AI and human intelligence drives innovation across the board, enhancing productivity and efficiency while fostering a culture of continuous learning and adaptation.

Our journey into this new era requires a commitment to developing the necessary skills and fostering an environment that encourages innovation and creativity. AI's potential can only be fully realized when we equip ourselves with the tools and knowledge to leverage it effectively. As with previous innovation revolutions, AI will impact all of us. The sooner we can embrace the best parts of this new technology, the greater and more positive its impact will be on us.

Over the past decade, AI has become a transformative force, consistently outperforming human intelligence in complex tasks such as generating animations, providing expert insights across various fields, and helping industries in data analytics. This integration of AI into business processes has not only increased efficiency but also spurred innovation, leading to a significant shift in the corporate landscape.

Automating routine tasks with AI frees up individuals to concentrate on more intricate and imaginative endeavors, resulting in heightened productivity and efficiency. AI algorithms are adept at handling extensive data sets, providing valuable insights that inform intelligent decision-making. The emergence of AI has prompted a transformation in the skill sets required to navigate today's landscape. There's a growing emphasis on digital literacy and the ability to collaborate effectively with AI tools. It has become evident that actively engaging in learning is essential to fully leverage the capabilities of AI technologies.

The digital transformation has revolutionized the way we view operations. With data serving as the backbone of every decision made, we are striving to achieve AI-powered models to reach our strategic goals. AI encompasses technologies designed to mimic the highest levels of human intelligence.

AI has undeniably altered the business world and the nature of work. Leveraging AI responsibly and inclusively will pave the way for innovation and competitiveness. For individuals, adapting to AI presents an opportunity for growth and development. Looking to the future, the synergy between human intelligence and artificial intelligence will be the cornerstone of success in the ever-evolving corporate arena.

Artificial intelligence stands as a transformative force, reshaping industries and redefining the nature of work. Its integration into our daily operations brings unprecedented opportunities for growth, innovation, and efficiency. However, the true power of AI lies in its synergy with human intelligence. By cultivating digital literacy, enhancing problem-solving skills, and fostering an environment of continuous learning, we can leverage AI to its fullest potential.

As we embrace AI and integrate it into our lives, we must do so responsibly and thoughtfully. It's essential to recognize the potential risks and challenges that come with this powerful technology. By approaching AI with caution and ethical consideration, we can harness its benefits while minimizing its drawbacks. Let us strive to use AI not only to advance our goals but also to create a future where technology enhances our humanity, fostering creativity, empathy, and innovation. Together, we can ensure that the harmonious blend of human and artificial intelligence becomes the driving force behind our success in the evolving digital landscape.

As we harness AI's potential, let's also foster a culture of learning and adaptability, ensuring that all of us are equipped to thrive in this new era. Let us continue on this path with confidence and determination, driven by the knowledge that the future we shape today will be our legacy tomorrow.

S P Oswal
Chairman & Managing Director

VICE - CHAIRMAN'S MESSAGE

Dear Colleagues,

The transformative power of Artificial Intelligence (AI) is reshaping our industries and redefining our future. As we embrace this technological advancement, it's essential to understand how AI is revolutionizing our operations, setting the stage for unprecedented growth and innovation.

The past decade has seen AI emerge as a transformative force across various sectors, altering the way we operate on fundamental levels. AI's capabilities have been particularly impactful in enhancing efficiency and spurring innovation. From generating sophisticated animations to crafting persuasive marketing strategies, AI's prowess has consistently surpassed human capabilities in numerous complex tasks. This surge in AI proficiency is not merely a testament to technological advancement but also a testament to the integration of these technologies into our business processes.

The remarkable capabilities of AI have had a profound impact on our industry, enhancing efficiency and driving innovation. AI has demonstrated remarkable proficiency in handling complex tasks, often surpassing the capabilities of traditional human efforts. This significant advancement in AI proficiency is not only a marker of technological progress but also highlights how deeply these technologies have been integrated into our processes.

AI automates repetitive and time-consuming tasks, freeing us to focus on what we humans do best—creativity, strategizing, and connecting. Imagine a workplace where AI handles the mundane, allowing us to tackle challenging and engaging tasks that ignite our passion. This is the environment we are striving to build; one where each of us can achieve more in terms of output, creativity, and satisfaction.

AI is also pushing us to rethink how we approach problem-solving and innovation. With AI, we can quickly analyze vast amounts of data to make informed decisions and identify new opportunities. This capability empowers us to meet our customers' needs more effectively and stay ahead in a competitive market.

But the promise of AI extends beyond operational efficiency. It's about building a sustainable future. Through smarter resource management and waste reduction, AI is helping us lead the way in sustainable practices. For example, AI algorithms optimize our supply chain, reducing waste and lowering our carbon footprint. AI helps design more sustainable materials and processes, aligning with our vision to leave a positive legacy for generations to come.

As we stand at the threshold of this AI-driven era, we are active participants in a transformation that promises to redefine the fabric of our work and society. The integration of AI into our activities is not merely a technological upgrade but a paradigm shift towards greater efficiency and enhanced human potential. By embracing AI, we are unlocking a future where technology amplifies human creativity and strategic ingenuity, fostering a work environment that is both more productive and intellectually enriching.

At Vardhman Textiles, our legacy of excellence is upheld by our talented team members, whose dedication and innovation are integral to our success. Their ability to adapt and thrive in this changing landscape is a testament to their resilience and creativity. As we move forward, it is their spirit and our collective efforts that will enable us to not only transform today but also empower tomorrow.

As stewards of this technology, we carry the responsibility to ensure that its benefits are realized broadly and ethically. We must champion the use of AI not only for economic gain but also as a means to improve human well-being, paving the way for a future that respects and enhances our shared humanity. By moving forward with a clear vision and responsible action, we can ensure that AI serves as a cornerstone for a prosperous and equitable society.

Let us commit to this journey with optimism and resolve, ready to shape a future where technology and humanity thrive together in a symbiotic and sustainable relationship. Let's foster a culture of learning and adaptability, ensuring that all of us are equipped to thrive in this new era. Let us continue on this path with confidence and determination, driven by the knowledge that the future we shape today will be our legacy tomorrow.

Suchita Oswal Jain
Vice-Chairman & Joint Managing Director

Our latest edition of "We," delves into the transformative power of Artificial Intelligence (AI) in reshaping our present and empowering our future. This issue is a testament to our commitment to integrating cutting-edge technology into our operations, ensuring that we continue to deliver excellence, now and in the years to come. As a company rooted in tradition and excellence since 1965, Vardhman Group is committed to staying at the forefront of technological advancements. This edition highlights our journey into the future, where AI transforms today's practices and empowers tomorrow's possibilities.

From automated chat systems to advanced video and audio analysis, AI has become an indispensable tool in enhancing our efficiency and productivity. Our journey with AI is not just about adopting new technology but also about revolutionizing the way we work, creating smarter and more efficient processes that drive our business forward. This transformation is not just about adopting new technologies but also about fostering a culture of continuous improvement and agility.

As we look to the future, our focus remains on how AI can empower us to achieve even greater heights. The illustration on the cover showcases a futuristic vision where AI tools assist in generating innovative art and designs, pushing the boundaries of creativity in the textile industry. This fusion of technology and creativity ensures that we stay ahead of the curve, continuously bringing fresh and exciting products to the market.

Moreover, our commitment to AI goes beyond just technological adoption; it is about fostering a culture of continuous learning and improvement. We are dedicated to upskilling our workforce, ensuring that they are well-equipped to harness the full potential of AI. By doing so, we create a synergistic environment where human ingenuity and AI capabilities work hand in hand, driving sustainable growth and innovation.

Business exists in a dynamic environment where change is the name of the game.

Earlier Digital used to be a component of business strategy, now Digital IS THE business strategy!

It is a means of driving business growth. A good digital strategy (i) keeps customer at its heart, (ii) is continuous and not one off, (iii) has a long-term perspective, and (iv) is end-to-end and not disjointed.

One significant piece of the digital puzzle is Artificial Intelligence (AI), Machine Learning (ML) and Internet of things (IIOT). These are together reshaping the future across industries by automating complex tasks, enhancing data analytics, and enabling more personalized services. Now let's talk about their application in the textile and fashion space:

Design excellence: An obvious application is to employ AI in design and trend forecasting to predict future trends. We can then inform these trends to create products and collections that resonate more with customers. Maintaining digital archives of samples will further enable smart storage and quick retrieval, improving serviceability of customers. Additionally, there are AI platforms that are now adept in creating designs when given a prompt. Although there are issues regarding originality and creativity, this space is worth keeping an eye on.

Real time operational efficiencies: We can create a "physital" world by connecting our machines via intelligent sensors to detect real time deviations in speed, temperature, power, and downtime. An excellent example is the Marzolli speed frame that has helped us improve machine reliability by reducing maintenance cost and optimizing speed.

Agility in Planning: By utilizing trends in data, AI can facilitate supply chain optimization, allowing us to forecast demand more accurately, adjust production schedules, and manage inventory levels effectively. This will reduce waste and help us to improve our responsiveness to market changes.

Quality control: AI algorithms can detect defects more consistently than human inspectors as AI does not face natural fatigue. This could lead to consistency in quality and product. We are exploring a pilot project along these lines.

Our customer H&M, applies AI to analyze store returns, customer receipts, and loyalty card data to better understand purchase patterns and manage inventories more effectively. They also use AI for price optimization and personalized marketing campaigns.

The reality is that the Future is Digital. As an organization we must build digital dexterity. The only way forward is to experiment, learn, fail, and start all over again. I personally see AI as an enabler and would encourage each of us to see how we can make it work FOR us, and not against us.

Let us reimagine a more digital Vardhman together.

Sagrika Jain
Executive Director
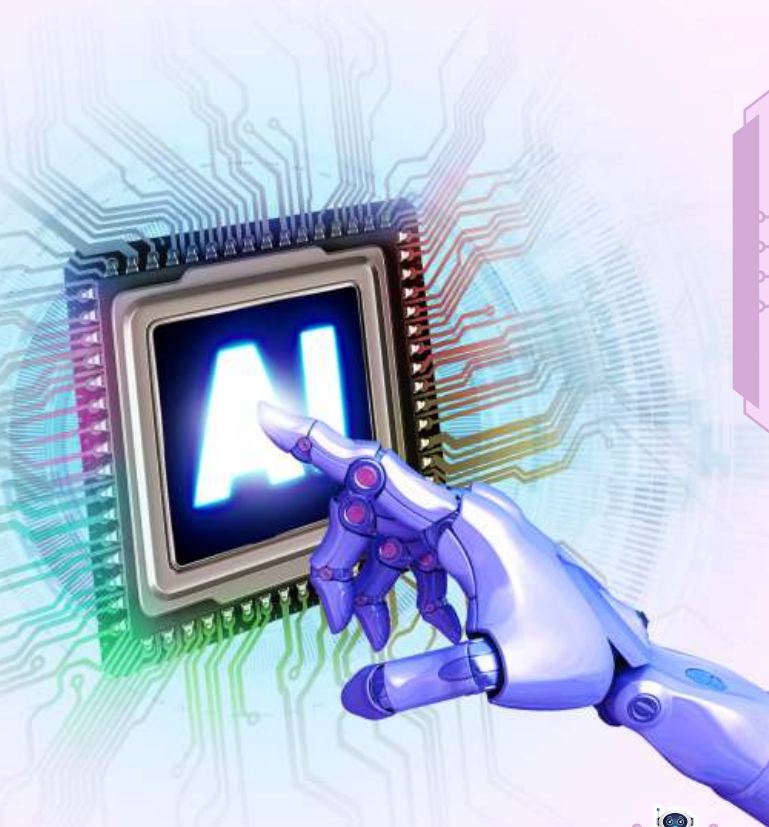
We are continually inspired by the transformative potential of Artificial Intelligence (AI). Today, AI is not just a tool for innovation but a foundational technology reshaping how we approach our operations, strategies, and market interactions. It empowers us by automating routine tasks, freeing us up to focus on higher-value activities and creative problem-solving. This shift is enhancing productivity and enabling us to innovate at an unprecedented pace. Looking towards the future, AI promises to unlock new realms of possibilities, driving our business forward into new markets and creating opportunities that we have yet to imagine. As we harness the power of AI, we are setting the stage for a more empowered, efficient, and innovative tomorrow.

Rajeev Thapar
**Chief Financial Officer**

Since the year 1700, three major industrial revolutions have been driven by disruptive technologies like the mechanical wheel, steam engine, electricity, electronics, computers, and automation. These revolutions did not merely improve quality, productivity, and efficiency but fundamentally transformed business models through creative innovations, impacting competition, product development, customer care, and customization. The introduction of Industry 4.0 in 2011, coined by Dr. Henning Kagermann, marked a new era where robotics, 3D printing, IoT, and digital fabrication converge, merging physical and virtual worlds at an unprecedented speed. Simultaneously, the 5th Industrial Revolution, driven by AI, emphasizes environmental and social values, envisioning robots and smart machines working alongside humans with added flexibility and sustainability goals.

Industries today face the challenge of aligning with these rapid advancements. According to "Insights by Dell Technologies Innovation Culture Research," many Indian businesses struggle with the swift pace of AI adoption, creating challenges for decision-makers, business owners, and employees. Reskilling employees and integrating AI are crucial for innovation and sustainability. India's transition from IT services to IT products, as exemplified by TCS advancing its AI projects, highlights the need for robust cloud and data strategies. However, attracting AI researchers back to India remains a challenge. Despite these hurdles, AI is proving to be a valuable tool for sustainable solutions, particularly in the textile industry with the development of "smart textiles." Success in this new era depends on industries' ability to handle smart technologies effectively, ensuring cybersecurity and leveraging AI's potential to stay competitive and efficient.

IMJS Sidhu
President and Director in - Charge

Artificial Intelligence (AI) is revolutionizing the textile industry by enhancing design, manufacturing, supply chain management, and retail. It ensures consistent quality through precise defect detection, optimizes production processes, and predicts machinery maintenance needs to reduce downtime and costs. AI also analyzes market trends to help designers create in-demand collections and streamlines supply chains for efficient logistics. Looking forward, AI promotes sustainability by optimizing resource use and encouraging recycling. It enhances customer experiences with personalized recommendations and virtual fitting rooms, aids in developing advanced fabrics, and ensures ethical practices in the supply chain. Embracing AI leads to higher productivity, better quality, and greater sustainability in the textile industry.
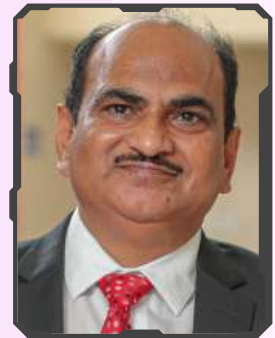
T.C. Gupta
Unit Head Vardhman Fabrics, Budhni

Human mind is destined to work on continuous improvement through innovation embodying the proverb, "change is the only constant." Since the invention of wheel, speed of the change has only accelerated. We've witnessed the advent of electricity, computers, communication systems, robotics, and now artificial intelligence (AI). Each major technological breakthrough introduces new dimensions and ways of working. Businesses that successfully adapt to these changes reap significant rewards. At the same time there are some controversies around AI, fear of job losses, misuse of technology etc. But this was always there when electricity was invented or when computers were invented. However, just as those technologies evolved and were integrated into our lives, so too will AI and its users adapt and grow.

Mukesh Bansal
Head Fabric Marketing

Artificial Intelligence (AI) is transforming how businesses manage their workforce. It goes beyond being a passing trend, serving as a powerful tool that reshapes how companies discover, hire, and support their employees. AI eliminates the need to scrutinize through stacks of resumes and rely solely on instincts for hiring decisions. It acts as a super assistant for HR, swiftly analysing vast amounts of data to pinpoint the best job candidates. This not only accelerates the hiring process but also predicts potential success within the company.

Artificial Intelligence (AI) is not merely a buzzword but a transformative force revolutionizing workforce management. It empowers businesses to streamline hiring processes by swiftly analysing vast data sets to identify top talent, enhancing efficiency and competitive advantage. AI acts as a smart assistant, handling repetitive tasks seamlessly and allowing HR teams to focus on strategic initiatives. However, while AI excels in data processing, human judgment remains indispensable for nuanced decision-making. Ensuring fair practices and transparency in AI application is crucial for fostering inclusive workplaces. Embracing AI early promises enhanced efficiency, employee satisfaction, and industry leadership, paving the way for a future where innovation and human potential thrive hand in hand.

Aakash Thakur
Vice President, Corporate Human Resources

AI - A New Era of Innovation and Efficiency

In the midst of swift technological progress, the textile industry exemplifies how Artificial Intelligence (AI) is revolutionizing conventional processes and driving innovation in every aspect. AI is reshaping every facet of the textile manufacturing landscape, promising enhanced efficiency, sustainability, and heightened customer satisfaction.

AI's Role in Design

Traditionally, textile design has been guided by human creativity and intuition. Yet, with the emergence of AI, designers now wield powerful tools capable of analyzing extensive data on consumer preferences, fashion trends, and historical sales patterns. These algorithms forecast future trends and produce designs that appeal to specific demographics, expediting creativity and ensuring products meet market demands.

AI-powered design tools empower designers to experiment with colors, patterns, and textures in real-time, facilitating quick prototyping and customization. This capability not only fosters creativity but also enhances product uniqueness and competitiveness in the market.

AI's Manufacturing Efficiency

In manufacturing, AI-driven robotics and automation systems streamline production processes, significantly enhancing efficiency and precision. Tasks like fabric cutting, sewing, and quality control now require minimal human intervention, reducing errors and operational expenses while ensuring consistent output. Additionally, AI is pivotal in refining supply chain management. By analysing data on raw material availability, production capacity, and consumer demand patterns, AI algorithms predict demand fluctuations and optimize inventory levels. This predictive capability enables manufacturers to minimize waste, shorten lead times, and promptly adapt to market dynamics, thereby strengthening overall operational efficiency.

While AI holds transformative promise, integrating it into the textile industry presents several challenges. Concerns like data privacy, cyber security, and workforce preparedness need resolution to ensure ethical AI deployment. Looking ahead, the textile industry is poised for a promising future fuelled by ongoing advancements in AI technology. As AI capabilities progress, so will its integration into textile manufacturing, unlocking vast potential for innovation and efficiency. This includes everything from smart fabrics adapting to environmental changes to AI-driven virtual shopping experiences, showcasing limitless applications in textiles.

In conclusion, AI transcends mere efficiency and profitability in the textile industry; it serves as a catalyst for innovation, sustainability, and enriched customer experiences. By embracing AI technologies, textile companies position themselves at the vanguard of a new manufacturing era, one that harmonizes technology with craftsmanship to redefine the global landscape of fashion and textiles. The ongoing journey toward AI enabled excellence in textiles promises a future where innovation and sustainability converge to reshape the industry.

Sheetal Singh
Assistant Manager (Designing)
Vardhman Apparels

AI: Transforming Today, Empowering Tomorrow

Artificial Intelligence (AI) is leading a technological revolution that will determine the shape of our world. The theme "AI: Transforming Today, Empowering Tomorrow" captures how AI has transformed and continues to transform multiple domains, benefiting day-to-day lives but also helping build the future. AI is changing the game across sectors and transforming society for better health and wellness, driving innovation for a more hopeful future.

Transforming Today : AI in Action

AI is redefining efficiency and productivity by automating mundane tasks and and improving the management of operations.. In industries like manufacturing, AI-powered robots perform assembly line tasks with precision and speed, reducing human error and increasing output. In finance, AI algorithms analyze vast datasets to detect fraud, optimize trading strategies, and personalize customer experiences.

Businesses across sectors are leveraging AI to streamline operations. Retail giants use AI to manage supply chains, predict inventory needs, and optimize delivery routes. In customer service, AI chat bots handle routine inquiries, allowing human agents to focus on more complex issues. These applications not only improve operational efficiency but also enhance user experiences. AI contributes to more informed and effective decision-making processes.

Empowering Tomorrow : AI's Boundless Potential

AI promises to revolutionize the way we interact with technology. Voice assistants like Siri and Alexa are becoming more intuitive and responsive, anticipating user needs and providing seamless interactions. In the future, AI could enable even more sophisticated interfaces, making technology an even more integral part of our daily lives.

AI is expected to drive innovation, leading to breakthroughs in various fields. In environmental sustainability, AI models predict climate patterns and help develop strategies to mitigate the effects of climate change. In scientific research, AI accelerates drug discovery by analyzing molecular structures and predicting the efficacy of new compounds. These advancements have the potential to address some of the world's most pressing challenges.

AI's impact on health and wellness is profound. AI algorithms analyze medical images to detect diseases at early stages, improving patient outcomes. Wearable devices equipped with AI monitor vital signs and provide real-time health insights, empowering individuals to take control of their health. Moreover, AI-powered mental health apps offer support and resources, making mental health care more accessible.

AI is transforming today by enhancing efficiency, streamlining operations, and improving decision-making. Its potential to empower and shape the future is boundless, with promises of revolutionizing human-technology interaction, driving innovation, and enhancing health and wellness. As AI continues to evolve, it holds the promise of creating a brighter tomorrow for all, redefining possibilities, and addressing global challenges with unprecedented speed and accuracy.

The journey of AI is just beginning, and its transformative power will continue to unfold, empowering societies and industries worldwide.

Hema Thakur
IR Department
VMT, Baddi

Artificial Intelligence Reinforces Human Potential

Artificial Intelligence (AI) stems from human knowledge of numerical frameworks for biological morphogenesis and landmark studies on computational intelligence. The human brain demonstrates evolving excellence when met with adaptive impulses, managing pressures in various situations. चित्तां हि ज्ञानम् – The mind is knowledge. As humans understand ecosystem dynamics, they are driven to imitate nature. Debates continue on whether AI augments human capabilities or hinders human potential.

The birth of Lord Rama, precisely marked by planetary positions, is a testament to our Vedas, Saints, and Upanishads, which have always emphasized scientific logic, facts, and reasoning. Similarly, AI operates on an amalgamation of computer approaches, algorithms, arithmetic, and statistical methods, accelerating scientific pursuits.

AI is a complex, multi-faceted subject and an intriguing technology pushing the bounds of software's limitless potential. On the contrary, the public often perceives AI as a serious danger, potentially displacing human roles and heralding an age of man against machine. Visionaries argue that AI, combined with human intelligence, can achieve greater precision and accuracy in complex activities.

AI makes scalability a virtue, efficiently handling contemporary technological challenges. During the pandemic, AI played a crucial role in patient care, video editing, photo creation, and tracking criminals, among other tasks. AI fosters human problem-solving skills by saving energy and time, allowing individuals to enhance their proficiency and skills. For instance, Ajinkya Dhariya's Padcare Lab uses AI to recycle sanitary napkins, solving a significant environmental issue.

AI empowers humans as imaginative curators, enhancing creativity and critical thinking. In textiles, AI-generated designs enable garment makers to choose patterns that align with their visions. In architecture, AI helps architects visualize layouts before construction. Renewable energy initiatives, such as solar glass windows, showcase AI's role in innovative creativity.

AI also improves monitoring and surveillance across various sectors, including healthcare, civic safety, and banking. CCTV systems ensure home and societal safety, while indigenous drones and satellites support national defense. Israel's Iron Dome exemplifies AI's defensive capabilities.

It is evident that using AI to enhance human capabilities is a growing trend receiving tremendous global attention. Recognizing AI's drawbacks in human life is crucial, as excessive dependency can be harmful. AI significantly enhances human capabilities, gaining global attention. While AI has drawbacks, its advantages outweigh its adversities. However, AI must adhere to ethical standards to support human rights. As AI technology evolves, it requires prudence to ensure it assists rather than interferes with human endeavors.

Bhawna Kapil
CIT
Auro Textiles, Baddi

Beyond Boundaries :
How AI Transcends Today to Empower Tomorrow

Few of the most promising and transformative inventions in innovating technology are Artificial Intelligence (AI). AI can process prolific quantum of data, recognize patterns, and develop insights to generate autonomous decisions - it is not just about redefining today on the other hand stretching over limits enabling our future with endless possibilities.

Artificial Intelligence (AI) shines as one of the brightest guiding lights in a time when rapid digital transformation is reworking our social fabric. Whether it's healthcare, education, or business to environmental conservation - AI is transcending the barriers of today paving way for a more intelligent and productive future. This isn't simply a similar change to machines executing tasks, but in allowing humans new ability and addressing problems that were hitherto insurmountable. How AI is Paving the Future: Today and Beyond.

AI's influence permeates every aspect of modern life, from the algorithms that power search engines to the personalized recommendations on streaming platforms. It has revolutionized industries ranging from healthcare and finance to manufacturing and transportation, enhancing efficiency, accuracy, and productivity along the way.

Revolutionizing Healthcare

AI is revolutionizing healthcare by offering advanced diagnostic tools, personalized treatments, and efficient administrative processes. Machine learning algorithms analyze vast amounts of medical data to identify patterns and predict outcomes with unprecedented accuracy. AI systems can detect diseases such as cancer, diabetes, and cardiovascular conditions at early stages by analyzing medical images, genetic data, and patient histories, while predictive analytics anticipate disease outbreaks and manage resources effectively.

Enhancing Education

AI is transforming education by making learning more personalized, accessible, and effective. AI-driven platforms adapt to each student's learning pace and style, offering customized lessons and practice exercises, thereby ensuring that students receive the support they need to succeed. Additionally, AI automates administrative tasks such as grading, scheduling, and admissions, allowing educators to focus more on teaching and student engagement.

Driving Business Innovation

Businesses are leveraging AI to optimize operations, enhance customer experiences, and drive innovation. AI automates routine tasks through process automation, freeing up human workers to focus on more strategic activities, leading to increased efficiency and productivity across various sectors. By analyzing customer data, AI provides insights into preferences and behaviors, enabling businesses to offer personalized products and services, thereby improving customer satisfaction and loyalty.

Advancing Environmental Sustainability

AI is playing a crucial role in addressing environmental challenges and promoting sustainability. AI models analyze climate data to predict weather patterns, natural disasters, and long-term climate changes, aiding in planning and mitigating the impact of adverse events. By optimizing energy consumption in buildings, transportation, and industrial processes, AI contributes to energy efficiency, making smart grids and renewable energy management systems more effective.

Fostering Inclusive Societies

AI has the potential to create more inclusive societies by addressing social and economic inequalities. AI-powered tools such as speech-to-text, text-to-speech, and real-time translation services enhance accessibility for individuals with disabilities and language barriers, making information and communication more inclusive. Additionally, AI-driven innovations create new job opportunities and support entrepreneurship by automating low-skill tasks, enabling workers to focus on higher-value activities and promoting economic growth.

The potential of AI to empower and transform society knows no bounds. It holds the key to addressing some of the most pressing challenges facing humanity, from climate change and resource scarcity to healthcare access and education inequality.

As we journey beyond boundaries, let us embrace the potential of AI to transcend limitations, unlock new opportunities, and shape a future limited only by our imagination. We can harness the transformative power of AI to empower humanity and create a brighter tomorrow for generations to come.

Piyush Budhiraja
Melange Marketing & Sales
Corporate Office, Ludhiana

BUSINESS

All India National Level Crop Estimation Meeting held by Cotton Association of India at Vardhman Textiles Limited, Corporate Office, Ludhiana

Madam Suchita Jain's (Vice Chairman & JMD) visit in Vardhman Spinning Mills, Baddi

GAP Team visiting Plant at Vardhman Fabrics, Budhni

Madam Sagrika Jain's Visit to Vardhman Fabrics, Budhni

Inauguration of CLX Machine by Mr. Neeraj Jain (JMD) at Vardhman Spinning Mills, Baddi

Mr. Neeraj Jain, JMD inaugurating new machines in VSGM, LDH

GAP Strategy Team visit at Vardhman ReNova, Baddi

Retirement Celebration for Employees at VSS, Ludhiana

Read to Lead

"GRIT: THE POWER OF PASSION AND PERSEVERANCE" BY ANGELA DUCKWORTH

In "Grit," Angela Duckworth argues that passion and perseverance are more critical to success than talent alone. She defines grit as a combination of sustained passion and long-term perseverance, emphasizing that these qualities are essential for achieving significant goals.

Duckworth explains that while talent is important, effort counts twice as much in determining success. Grit involves maintaining consistent interest in a goal over time (passion) and the sustained effort to overcome obstacles (perseverance). She developed the "Grit Scale" to measure these traits.

The book discusses how grit can be developed through discovering and nurturing interests, engaging in deliberate practice, connecting work to a larger purpose, and maintaining hope and a growth mindset. Duckworth highlights the role of supportive communities, mentors, and role models in fostering grit.

By providing examples from various fields, including education, business, sports, and the military, Duckworth illustrates how grit leads to success. The book serves as a guide for developing passion and perseverance, demonstrating that sustained effort and dedication can lead to remarkable achievements.

ANGELA DUCKWORTH
GRIT
THE POWER of PASSION and PERSEVERANCE
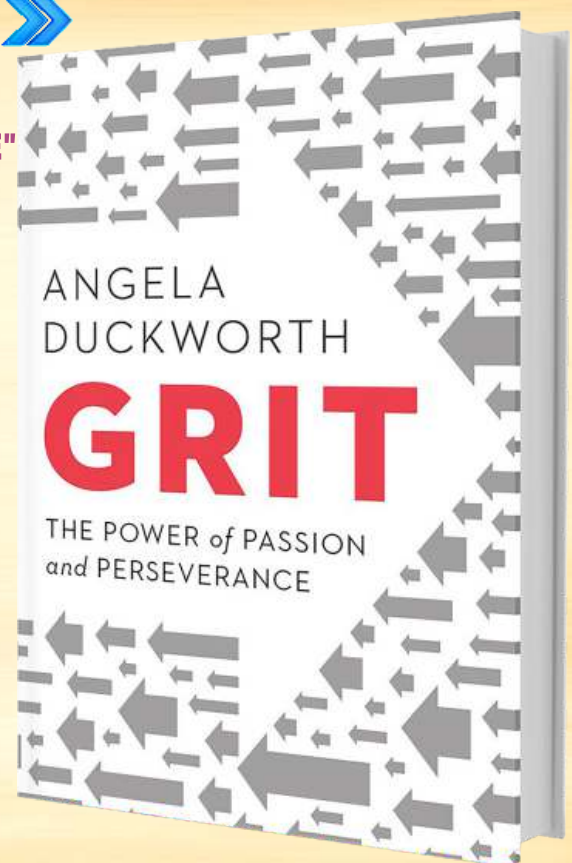
Father's Day Celebrations

Father's Day Celebration at Corporate Office, Ludhiana

Mother's Day Celebrations

Corporate Office, Ludhiana

Vardhman Spinning Mills, Baddi

Yoga Day Celebrations

VMT, Baddi

VSS, Ludhiana

Arisht Spinning Mills, Baddi

Vardhman Apparels, Ludhiana

Anant Spinning Mills, Mandideep

Other Celebrations

Zumba Session held at Corporate Office, Ludhiana

Chaitra Navratri Celebration
at anant Spinning Mills, Mandideep

Blood Donation Camp on Occasion of S.P. Oswal Sir's Birthday

Corporate Office, Ludhiana

Arihant Spinning Mills, Malerkotla

Vardhman Yarns, Satlapur

Anant Spinning Mills, Mandideep

Auro Textiles, Baddi

Vardhman Fabrics, Budhni

VSS, Ludhiana

Stress Management with AI

Stress is a normal part of life that everyone experiences. Our bodies are designed to encounter stress and react to it. When we face changes or challenges, our bodies produce physical and mental responses to help us adjust. Stress can be positive, keeping us alert and motivated. However, it becomes problematic when it continues without relief or periods of relaxation.

Our body's autonomic nervous system controls functions like heart rate, breathing, and vision changes. Its built-in stress response, the "fight-or-flight response," helps us face stressful situations. But long-term stress can wear us down, leading to physical, emotional, and behavioral symptoms. Everyone reacts differently to stress, and factors like mental health conditions can make some people more susceptible.

In today's world, AI is emerging as a powerful tool to help manage and reduce stress. By leveraging data analytics and machine learning, AI can offer personalized insights and interventions. Wearable devices and smartphones can monitor stress levels by tracking indicators like heart rate, sleep patterns, and physical activity. AI analyzes this data to detect signs of stress and can alert us before it becomes harmful.

AI can create personalized stress management plans. When it detects rising stress levels, AI can suggest relaxation techniques, exercises, or dietary changes tailored to our needs. AI-powered virtual assistants are available 24/7, providing real-time support and guidance on stress reduction techniques, mindfulness exercises, and breathing practices.

Major life events like job issues, lack of time or money, bereavement, family problems, illness, moving home, and relationship changes can trigger stress. AI helps identify and manage stress from these events, tracking emotional reactions such as anger, burnout, concentration issues, insecurity, forgetfulness, irritability, nail biting, restlessness, and sadness.

Stress is a part of being human, and it can sometimes motivate us to get things done. Even high stress from serious illness, job stress, a death in the family, or a painful life event is a natural part of life. AI assists in managing stress by tracking physical activity and sleep patterns, suggesting improvements to enhance overall well-being. A healthy diet can lessen stress effects, and AI recommends dietary changes to build the immune system, stabilize mood, and lower blood pressure. AI guides us through deep breathing exercises and relaxation techniques, activating the body's natural ability to relax. Additionally, AI encourages spending time with friends or family for emotional support, and virtual assistants can simulate conversations to help us feel heard.

The integration of AI in stress management marks a new era of well-being. By leveraging advanced technologies, we can better understand and manage stress, leading to healthier and more balanced lives. As we embrace AI, it is crucial to use these tools responsibly and ethically to enhance our mental and physical health. AI helps us manage today's stresses and empowers us to face the future with resilience and strength.

By combining the best of technology with our inherent human strengths, we can create a balanced and harmonious approach to living well. Let's embrace AI not just as a tool, but as a partner in our journey toward a healthier, more fulfilling life.

Kanika Duggal
Arihant Spinning Mills,
Malerkotla

AI Transforming Workplaces for a Brighter Future

Artificial intelligence (AI) has gradually integrated into both our personal and professional lives. While there are numerous predictions of doom and gloom regarding AI and the potential for robots to take over our jobs, this scenario is unlikely. Although AI will eliminate some jobs, it will also create new opportunities, reshaping the job market rather than replacing it.

AI in the Workplace

Increased Productivity

AI improves productivity by handling repetitive tasks, freeing employees to concentrate on creative solutions and complex problem-solving. For instance, AI-operated chatbots handle routine customer interactions, reducing manual time and improving customer experiences. These chatbots support customer service representatives, enhancing their performance and overall efficiency.

Turning Complex Data into Digestible Insights

AI helps businesses interpret vast amounts of data without needing a data scientist. AI applications can identify patterns, isolate trends, create detailed reports, and predict key business metrics. This allows employees to make informed decisions and improve customer service. For example, banks use AI to recommend financial products based on data analysis.

Enhancing Data and Information Security

AI enhances data security by prioritizing confidentiality and integrity. AI tools provide secure communication options, preventing data breaches. This is particularly important as many employees use unsecured messaging apps for work-related communication. AI ensures safer and more secure business operations.

AI is transforming the workplace by automating tasks, providing valuable insights, and enhancing data security. By integrating AI with ethical considerations, businesses can support daily operations and ensure sustainable growth and innovation.

Khushboo Lachhwani
HR Department
Vardhman Yarns, Satlapur

Artificial Intelligence and Cognitive Reasoning

Cognitive computing refers to technologies that mimic human intelligence to enhance decision-making. It involves the mental processes of knowing, learning, and understanding, using advanced algorithms to analyze vast amounts of data. By simulating reasoning and human behavior, cognitive computing aids in making better decisions through technologies like speech recognition, sentiment analysis, face detection, risk assessment, and fraud detection. Cognitive computing evaluates data from various sources, weighing context and conflicting evidence to suggest suitable answers. It involves self-learning technologies like data mining, pattern recognition, and natural language processing (NLP) to replicate human thought processes.

Applications of Cognitive AI

1. Smart IoT
Enhances IoT by capturing real-time data, optimizing connectivity, and improving system efficiency.

2. AI-Enabled Cybersecurity
Improves cybersecurity through data encryption and situational awareness, enabling effective threat detection.

3. Content AI
Fosters skill development and personal growth by tracking progress and offering new learning opportunities.

4. Intent-Based NLP
Aids entrepreneurs with analytical insights for better decision-making, with tools like ChatGPT being invaluable resources.

AI systems uncover hidden information, providing solutions across customer service, healthcare, finance, security, retail, and manufacturing. AI assesses job seekers' skills and preferences to find suitable positions. In textiles, AI monitors fuel consumption in real-time, optimizing efficiency and reducing costs. AI operates on the principle that machines can make informed decisions, improving outcomes and efficiency in various sectors.

Pooja
Print PDC
Auro Textiles, Baddi

CYBER
SECURITY

19

AI : The Textile Industry's Sustainable Future

The textile industry, a cornerstone of the global economy, faces significant environmental challenges. From greenhouse gas emissions to microplastic pollution, the sector's impact is undeniable. However, it also holds immense potential to lead the charge towards a sustainable future. AI is emerging as a powerful tool to drive this transformation.

Circularity and AI : A Perfect Match

Circularity in textiles involves minimizing waste and maximizing resource efficiency. AI-powered tools analyze vast amounts of data to optimize production, consumption, and end-of-life processes. This approach reduces environmental impact, boosts business resilience, and enhances social protections.

The textile industry has set ambitious sustainability goals, with AI playing a pivotal role:

Climate Action :

Reducing emissions and transitioning to renewable energy sources.

Water Stewardship :

Optimizing water usage and implementing science-based targets.

Chemical Safety :

Eliminating harmful chemicals and ensuring safe practices.

Biodiversity Protection :

Protecting ecosystems and biodiversity through AI-driven assessments.

Social Responsibility :

Ensuring fair labor practices and a just transition to sustainability.

Circular Economy :

Increasing the circularity of textile products and reducing waste.

Sustainable Sourcing :

Prioritizing environmentally friendly materials and supply chains.

AI empowers eco-innovation, helping businesses become more sustainable and competitive. By accessing new markets, increasing productivity, and attracting investments, companies can thrive while reducing their environmental footprint.

The Role of AI in Supply Chain Transparency in Textile Manufacturing

The textile industry is a complex and globalized sector, with supply chains that often span multiple countries. This complexity can make it difficult to track the origin of materials and ensure that ethical and sustainable practices are being followed throughout the supply chain. However, AI is emerging as a powerful tool that can help textile manufacturers improve supply chain transparency.

Supply chain transparency refers to the ability to track the origin of materials and the movement of products through the supply chain. This information can be used to identify and address potential risks, such as child labor, forced labor, and environmental damage. By using AI to collect, analyze, and interpret data, textile manufacturers can gain a better understanding of their supply chains and take steps to improve them.

AI is revolutionizing the textile industry, driving sustainability and circularity. By embracing these technologies, the sector can address its environmental and social challenges, creating a more sustainable future for all. AI has the potential to revolutionize supply chain transparency in the textile industry. By collecting and analyzing data, AI can help textile manufacturers identify and address risks, improve consumer trust, and enhance their brand image.

Isha Agnihotri
Sustainability and Compliance
Auro Textiles, Baddi

Badminton Tournament held at Auro Spinning Mills, Baddi

Cricket Mania Finale at VSGM, Ludhiana

Carrom Match at Anant Spinning Mills, Mandideep

One Minute Activity at Auro Textiles, Baddi

Volleyball Tournaments at VMT, Baddi

डिप्रेशन को काबू करना सबसे बड़ी चिंता

आज के दौर में आबादी का बड़ा हिस्सा किसी न किसी रूप में मानसिक बीमारियों का शिकार होता जा रहा है। चिंता की बात ज्यादा इसलिए है कि बच्चे भी मानसिक समस्याओं की गिरफ्त में आते जा रहे हैं। कारण कुछ भी हो पर मानसिक समस्याओं और रोगों का तेजी से बढ़ाना समाज और सरकार के लिए गंभीर चिंता का विषय तो है ही। डिप्रेशन और खुदकुशी की बढ़ती घटनाएं हालत की गंभीरता को बताने के लिए काफी हैं। कहने को कुछ समय में मानसिक स्वास्थ्य संबंधी गहराते संकट को देखते हुए सरकारें जागी तो हैं, पर समस्याओं के दायरे को देखते हुए यह लगता है कि लोगों को मानसिक समस्याओं से उबारने और स्वस्थ रखने में काफी कुछ करने की जरूरत है। मनोचिकित्सक, शिक्षाविद और सामाजिक कार्यकर्ता भी इस निष्कर्ष पर पहुंचे हैं कि मानसिक स्वास्थ्य को लेकर समाज के विभिन्न तबकों से बातचीत करना और उन्हें जागरूक बनाना जरूरी है। जब तक लोगों को मानसिक बीमारियों के बारे में बताया नहीं जाता, तब तक वे इससे अनजान ही रहेंगे और मर्ज बढ़ता चला जाएगा। मानसिक स्वास्थ्य संबंधी समस्याओं से निपटने में एक बड़ी बाधा तो यही है कि लोगों को पता ही नहीं चल पाता कि वे किसी मानसिक व्याधि से घिरते जा रहे हैं। जब समस्या बहुत ज्यादा बढ़ जाती है तब वे किसी भी चिकित्सक के पास जा पहुंचते हैं। इसलिए पहली जरूरत मानसिक स्वास्थ्य के बारे में लोगों को जागरूक बनाने की है। इस पर विचार होना चाहिए कि इन मुश्किल हालात में उत्साह बनाए रखना एवं एक दूसरे को कैसे सहयोग किया जा सकता है, स्वयं की देखभाल कैसे की जा सकती है और मानसिक तनाव से कैसे मुक्ति पाई जा सकती है।

मानसिक बीमारी मस्तिष्क से जुड़ी बीमारी है मस्तिष्क से ही हमारे सोचने समझने तथा निर्णय लेने की क्षमता का नियंत्रण होता है। यहां कोई गड़बड़ी हुई तो इससे स्वयं पर नियंत्रण रखने की क्षमता का ह्रास होने लगता है। हम क्या कर रहे हैं, किस बात पर हमारी क्या प्रतिक्रिया होनी चाहिए, यह समझने की क्षमता हमारी चली जाती है। समस्या यह है कि हमारे देश में इस स्थिति को लोग पागलपन या भूत प्रेत से जुड़ी समस्या का नाम देकर पल्ला झाड़ने में जुड़ जाते हैं। प्रशिक्षण का अभाव तथा जागरुकता की कमी के कारण लोग झा झाड़ फूंक, जादू टोना या झोलाछाप के पास जाने के लिए मजबूर हो जाते हैं। लोग उनकी चपेट में लगातार फसते ही चले जाते हैं और शोषण के शिकार होने लगते हैं।

लेकिन पश्चिमी देशों में ऐसा नहीं है। वहां मानसिक बीमारियों के प्रति आधुनिक वैज्ञानिक समझ विकसित हुई है। वहां इन बीमारियों पर गहन वैज्ञानिक शोध हुआ जिसके आधार पर मानसिक बीमारियों के उपचार के लिए वैज्ञानिक पद्धति का विकास हुआ। आज भारत में डिप्रेशन के मामले जिस तेजी से बढ़ रहे हैं, खासतौर से बच्चों और नौजवानों में, वे इसी का नतीजा है कि हम समय रहते मानसिक व्याधियों को जान नहीं पाते। तनाव के दौरान विभिन्न प्रतिक्रियाओं के बारे में तमाम तरह के अनुभव देखने को मिलते हैं, जैसे कुछ लोग चीज तोड़ देते हैं, तो कुछ लोग गाली बकने लगते हैं, कुछ दरवाजा बंद करके रोते हैं, बोलना बंद कर देते हैं। दूसरी और ऐसे लोग भी हैं जो तनाव की स्थिति में संगीत सुनते हैं, बाहर घूमने निकल जाते हैं, गुनगुनाते हैं, कई बार देखा गया है कि लोग डिप्रेशन में चिडचिडाहट बढ़ जाती है, घबराहट ज्यादा होती है और कुछ नहीं पा सकने की स्थिति में अपराध बोध पैदा होने लगता है।

आजीविका, स्वास्थ्य, भविष्य की चिंता, बुरे विचारों का हावी होना, भय के कारण नींद ना आने की बीमारी, एकाग्रता की कमी, उम्मीदों का टूट जाना, भावात्मक रूप से अस्थिरता जैसी समस्याएं अब आम हो गई हैं। इससे लोगों में लोगों तनाव जन्य बीमारी काफी बढ़ती बड़ी है। इसलिए पहला काम बच्चों से लेकर बड़ों तक को मानसिक सेहत के प्रति जागरूक करने का होना चाहिएद्ध भागदौड़ की जिंदगी में लोग न सिर्फ मानसिक बीमारीयों के शिकार हो रहे हैं, बल्कि अपनी जिंदगी की लीला को भी खत्म कर रहे हैं मसलन खुदकुशी कर रहे हैं खासकर बच्चे और जवान।

ऐसा इसलिए है क्योंकि हमारी सोच रिजर्व हो गई है। हमें आपस में मिलकर के बात करनी चाहिए और महीने में एक बार जरूर बातचीत करें, ताकि ज्यादा से ज्यादा लोगों को जागरूक किया जा सके।

जितेन्द्र कहार,
(प्रशासन विभाग)
अनंत स्पिनिंग मिल्स, मंडीदीप

Environment

Corporate Office, Ludhiana

Anant Spinning Mills, Mandideep

Vardhman Spinning Mills, Baddi

VMT, Baddi

Arihant Spinning Mills, Malerkotla

Auro Textiles, Baddi

RenoVa, Baddi

Vardhman Apparels, Ludhiana

Vardhman Yarns, Satlapur

Vardhman Fabrics, Budhni

Vardhman Acrylics, Jhagadia

VSGM, LDH

VSS, Ludhiana

Health

Health Awareness Session on Common Helath Problems at Arisht Spinning Mills, Baddi

Health Camp Organised For Employees On "World Health Day" at Anant Spinning Mills, Mandideep

Health Camp Organized at Corporate Office, Ludhiana

Health Check-up Camp Organized For Workmen at VMT, Baddi

Health Talk Organized on World Health Day at Vradhman Yarns, Satlapur

Monthly Health Talk organized at VSS, Ludhiana

Training on Diabetes at Vardhman Acrylics, Jhagadia

25

Health

Health Session on No Tobaco Day at Auro Textiles, Baddi

Dental Hygiene Camp organized
by Vardhman Apparels, Ludhiana

Health Session at Auro Dyeing, Baddi

Safety

Celebrating Fire Service Week
at Anant Spinning Mills, Mandideep

Fire Drill Training held at VSS, Ludhiana

Fire Safety Training at Vardhman Apparels, Ludhiana

Fire Safety Training at Vardhman Yarns, Satlapur

Safety Day Closing Ceremony at VSGM, Ludhiana

Safety Training at Auro Textiles, Baddi

AI: Revolutionizing Human Experience and Enhancing Daily Life

Artificial Intelligence (AI) has emerged as one of the most captivating and swiftly progressing domains in modern science and technology. Defined as the simulation of human intelligence by machines, particularly computer systems, AI encompasses processes such as learning, reasoning, and self-correction. These capabilities enable AI systems to perform tasks that traditionally require human intelligence, including expert systems, natural language processing (NLP), speech recognition, and machine vision. This broad scope of functionality positions AI as a cornerstone of contemporary technological innovation.

Over the past decade, there has been a significant surge in AI applications, fueled by breakthroughs in deep learning, neural networks, and big data. These advancements have integrated AI into numerous aspects of daily life, with technologies like virtual assistants and autonomous vehicles becoming increasingly common. The rapid expansion of AI's capabilities has not only revolutionized how we interact with technology but also laid the groundwork for future innovations that promise to further embed AI in our everyday experiences.

Personalization has emerged as a critical feature of modern AI applications, enhancing user experiences across various fields, including healthcare and entertainment. AI-driven personalization leverages data to tailor experiences and services to individual preferences and needs. This targeted approach allows for more effective and satisfying interactions, as systems learn and adapt to user behaviors and preferences over time. As AI continues to evolve, the depth and accuracy of personalized experiences are expected to improve, making technology more intuitive and user-friendly.

The increasing power and prevalence of AI systems underscore the importance of ethical considerations and governance frameworks. Ensuring responsible and fair AI development and deployment is crucial to addressing potential biases, ensuring privacy, and maintaining transparency. By establishing robust ethical guidelines and regulatory measures, society can harness the benefits of AI while mitigating risks associated with its misuse or unintended consequences. This balanced approach is essential for fostering public trust and promoting the sustainable growth of AI technologies.

AI's transformative potential extends to a broad array of applications, making it a key driver of progress in various domains. By analyzing vast amounts of data, AI provides insights that enhance decision-making processes, offering predictive analytics that forecast future events based on historical patterns. This capability is invaluable for strategic planning and risk management, enabling individuals and organizations to make more informed and proactive choices. The optimization of processes through AI analysis further contributes to efficiency and productivity improvements.

Accessibility and inclusivity are other significant areas where AI can make a profound impact. AI technologies can break down barriers, making information and services more accessible to a broader audience. For example, AI-powered language translation tools facilitate cross-cultural communication, while speech recognition technology assists individuals with disabilities. By promoting inclusivity, AI helps create equal opportunities for all, ensuring that technological advancements benefit diverse populations.

The overall quality of life can be greatly enhanced through AI-driven tools and services that simplify daily activities and enhance convenience. Smart home systems, personalized entertainment recommendations, and intelligent virtual assistants exemplify how AI can make everyday life easier and more enjoyable. Furthermore, the collaboration between AI and human creativity can lead to innovative solutions and new forms of artistic expression, pushing the boundaries of what is possible. As AI continues to advance, its potential to solve complex problems and augment human capabilities will be pivotal in shaping a more efficient, equitable, and enriched future.

Neeraj Sofat
Digital & IT
Corporate Office, Ludhiana

Transformation and AI adaptability in Business

Adopting artificial intelligence (AI) transforms business operations by integrating advanced technologies into a cohesive strategy and culture, fundamentally changing how businesses operate, engage employees, interact with suppliers, and deliver value to customers and stakeholders. This integration fosters more efficient, adaptive, and responsive organizations. Entrepreneurs embracing AI tools align them with the entire business strategy, leading to numerous benefits such as increased efficiency, growth, enhanced skill development, reduced operational time, improved accuracy, clear governance of policies and procedures, and greater transparency. Integrating AI is about transforming the business landscape to be more dynamic and forward-thinking.

Artificial intelligence (AI) is revolutionizing digital transformation by enabling companies to integrate advanced technologies into their operations. AI, a computer-based software program, imitates human intelligence in problem-solving, learning, and creativity. By performing cognitive tasks similar to humans, AI empowers decision-makers to make more informed business decisions. Companies leverage machine learning and pattern recognition to enhance talent management, retain high-level employees, and optimize operations through natural language processing. As AI takes on tasks like prioritizing assignments, it mitigates decision fatigue, allowing humans to focus on intentional choices and increasing productivity both at home and in the office.

Despite concerns about AI's potential threats, its diverse applications offer numerous benefits, including quick and accurate data processing, idea visualization, and error-free operations. Successful digital transformation hinges on understanding how people and technology intersect, emphasizing the enhancement of workforce capabilities over mere technological adoption. Effective businesses recognize the need to equip their teams with the skills to leverage new technologies, bridging the digital skills gap to meet current and future demands.

The success or failure of a transformation is often influenced by human emotional behavior. Therefore, organizations must foster a culture of change and understand the emotional dynamics of their workforce and stakeholders. Transformations are intensive for all involved, making it essential to focus on business outcomes, maintain a sound operating model, make clear decisions, and adhere to schedules. Leadership teams and boards must establish clear governance policies and decision-making procedures at the transformation's outset to ensure success.

Seema Kumari
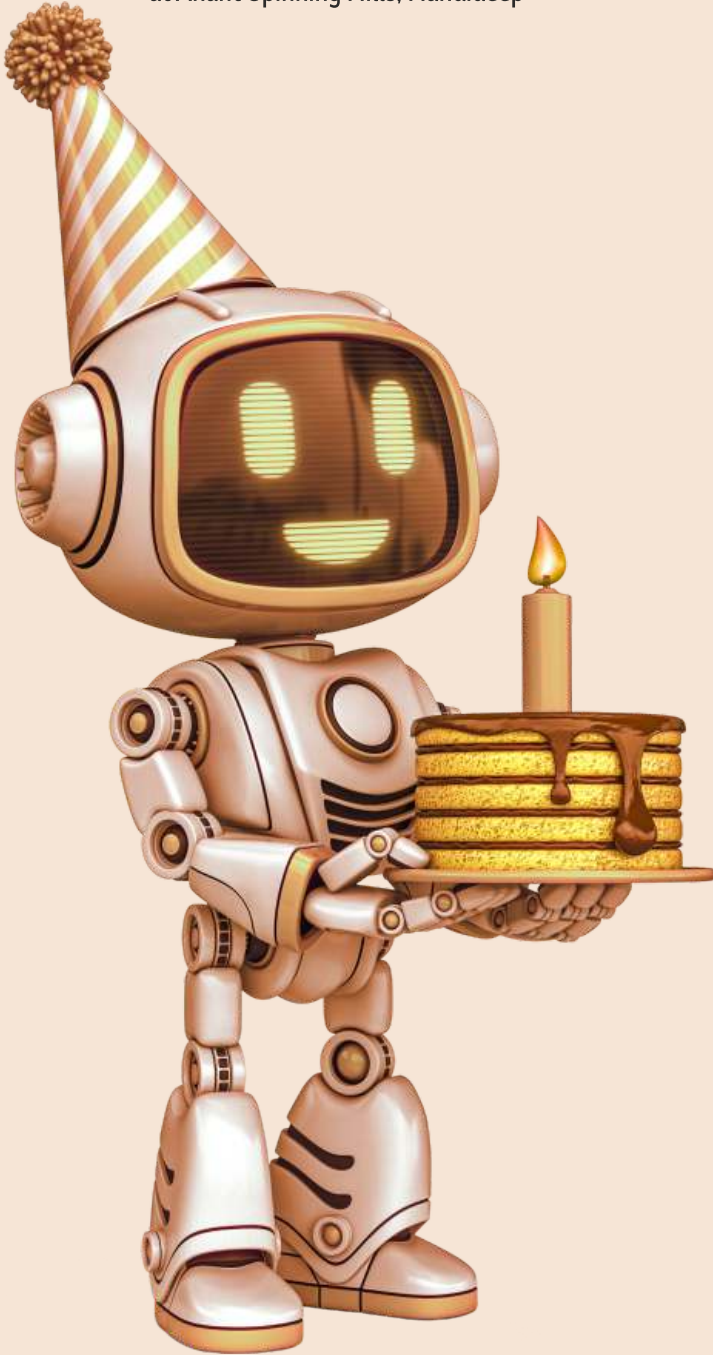Unit HR (Arisht & VMT Spinning Mills)

Birthday Bash

Birthday Celebration of S. Pal Sir
at Anant Spinning Mills, Mandideep

Birthday Celebration of Mr. Ravi Chauhan
at Auro Textiles Fabric Division, Baddi

Arisht Spinning Mills, Baddi

Auro Dyeing, Baddi

Auro Spinning Mills, Baddi

VSS, Ludhiana

Vardhman Spinning Mills, Baddi

Vardhman Apparels, Ludhiana

Arihant Spinning Mills, Malerkotla

Vardhman Acrylics, Jhagadia

Vardhman Fabrics, Budhni

VSGM, Ludhiana

Auro Textiles -Printing Division, Baddi

Anant employees participated in P.A.C.E.
Training of Teachers (ToT) program held at VTDC, Ludhiana

D.O.E. Training at Vardhman Fabrics, Budhni

P.A.C.E. Training Session held at VTDC, Ludhiana

POSH Training Session at Auro Textiles, Baddi

Training Session by External Faculty at Auro Textiles, Baddi

Training Session on Self - Defence
at Vardhman Apparels, Ludhiana
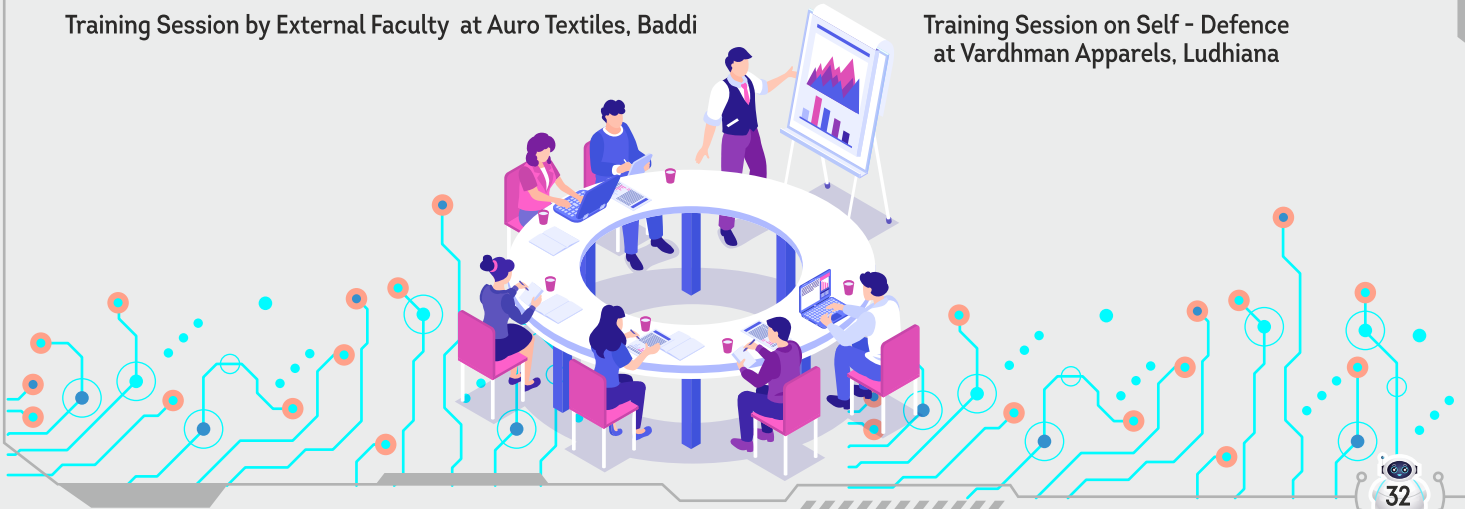
Why Social Responsibility Matters to Business

Few years back, businesses were merely judged by their turnover or profits, they make but in modern times, social responsibility has become a key factor for all the companies as it not only impacts their business in a positive way, but also earns the trust of their customers, employees, and stakeholders.

At Vardhman, we initiated our Corporate Social Responsibility (CSR) activities long before CSR became a formal concept. In our CSR initiatives, company primary focus on Health and Education sector followed by Environment, Art and Culture, Sports and so on. Many people often inquire about the motivation behind these endeavours.

Simply put, we embarked on these activities at Vardhman Group with a mission to give back to society. So far, our company has helped thousands of students by providing better infrastructure facilities in schools which further helped them in fulfilling their dream of working in a good organization. By starting Vardhman Foundation, we have expanded our core mission of giving back to the society to a larger spectrum of people.

Some of the reasons stated below may answer the question of 'Why Social Responsibility Matters to Business':

Earn Loyalty from Customers & Clients:

It's incidental yet significant that social responsibility positively impacts business. Our target audience will perceive the company in a favorable light when we engage in inclusive, ethical practices and support social causes. By being socially responsible, businesses not only earn loyalty from existing customers but also attract new clients. Our company and many others who have a dedicated CSR team/foundation exemplifies this principle. Most companies have incorporated the concept of Triple Bottom Line – focusing on people, planet and profit as part of core operations and supply chain processes.

Pride & Productivity

Employees often take pride in the fact that the company they work for is dedicated to social responsibility. They find a sense of purpose in their work, which invariably leads to enhanced productivity and commitment.

Many employees are finding a sense of fulfilment and purpose when they volunteer their time, effort and skills for some social initiatives which they are passionate about and many companies have also started building on employee volunteering and outreach hours in order to bring a positive change in the world. Community outreach programs are implemented in the areas that make an impact and are strategically aligned with businesses and their core operations.

Mitigating Risks

Companies which are socially responsible invariably adhere to ethical standards, fair labour practices and environmental regulations. Such companies rarely encounter legal, financial, or reputational risks. This proactive approach to risk management is beneficial for long-term sustainability.

Enhancing Access to Capital

Investors and financial institutions increasingly consider environmental, social, and governance (ESG) factors while making investment decisions. Businesses that demonstrate a commitment to social responsibility may find it easier to attract investment capital, secure favourable financing terms, and build long-term financial resilience.

Lastly, social responsibility enables businesses to make a positive impact on the communities in which they operate. This can be achieved through various means, such as community-centric interventions, long-term programs, large-scale CSR investments, employee volunteer initiatives, community outreach programs, and partnerships with social impact and governmental organizations. By addressing common social problems and working towards sustainable development, businesses contribute to social progress and foster stronger, long-lasting relationships with their communities.

In conclusion, many businesses are realizing that social responsibility is not just a moral imperative; it is also a strategic advantage for businesses. By prioritizing diversity, equity and inclusivity, ethical practices, sustainability, community engagement, and employee well-being, businesses are creating long-term value while making a positive difference in the world.

Amit Jain
Asst. Vice- President
Corporate Projects| Logistics | CSR

Inauguration of the 3D Bio Printer Facility at the Cell & Tissue Engineering Lab, AIIMS Bhopal, Established with Support from Vardhman under its Healthcare Initiative

Blood Donation Camp Organized at VSGM Unit, Ludhiana, M.P & H.P Location as a part of CSR Healthcare Initiative. Total 696 Number of Donors participated across the regions

Under Project "NANDINI," a learning and sharing event was organized at Baddi to bring together community groups, adolescents, school teachers, and frontline workers

VSSL's 'Nari Shakti' project supports local communities with 10 lakh motorized sewing machines under its CSR initiative

Organized a Free multi-specialty Health Checkup Camp for Poor & Needy people in Mandideep, Madhya Pradesh

Foundation Laying Ceremony for the construction of Examination Hall at Govt. Senior Secondary School Sai, Baddi, H.P.

The foundation laying ceremony for the construction of two classrooms, an Anganwadi Bhawan and a toilet facility at Government Primary School, Mandehri, Mandideep District, Raisen, Madhya Pradesh

₹8 lacs contribution by VSS, Ludhiana to Huner Vikas Kendra under project Nari Shakati run by District Administration

Mr. Sachit Jain VC/MD, VSS, Ludhiana extends the support of Rs 5 Lacs for player infrastructure and Rs. 3 lacs for event organisation to the Blind Football Association Punjab under its CSR initiative

EXCELLENCE

Vardhman Yarns Production Unit 1 team won
Second Prize in 10th CII Kaizen Regional Finals

Vardhman yarns HR & Admin and Psychologist team
won Platinum Award (First Position)
at 20th CII TPM circle competition 2024 in group B category

Anant Spinning Mills Engineering team Won Platinum award
(Top Most award) in 20th CII Circle Competition
Under QC Circle Category

Anant Spinning Mills HR team Participated in 18th CII National
3M Competition and won Silver Award Under MUDA Category

Anant Spinning Mills Maintenance team Won Silver Award in
20th CII Circle Competition Under PM Activities Category

Best 5S Audit Rating Award Program
at Vardhman Fabrics, Budhni

QCFI 13th Competion on 20th May'2024 Best Kaizen Award
in Northen India to Arisht Spining Mills, Baddi

Auro Textiles, Baddi team won Silver award
in 13th QCFI Kaizen Competition

Vardhman Acrylics, Jhagadia won Silver Award
at CII - KAIZEN Competition at Chennai

Vardhman Fabrics, Budhni QC Team Uddeshya won Excellent Award
at QCFI TQM Quality Circle Competition

How has your career path shaped your perspective on success and fulfillment?

Throughout my career at Vardhman, I have gained invaluable insights into what defines success and fulfillment. My journey began on September 4th, 2000, as an Executive Trainee in the Accounts Department at Arisht Spinning Mills, Baddi. During my initial two years, I handled various accounting tasks, laying a strong foundation for my career. In 2002, after getting married, I sought a transfer to Ludhiana, my hometown near Moga, and was fortunate to find an opportunity in the Corporate Finance and Accounts department. From 2002 to August 2008, I worked in different sections, including the export negotiation cell, under the mentorship of Mr. Neeraj Jain, whose guidance greatly influenced my professional development.

One of the most challenging periods in my career came in 2008 when I transitioned to the PPC (Production Planning and Control) department. This role was a significant departure from my background in commerce and finance, as it required me to explore technical aspects related to production, R&D, and more. Despite the steep learning curve, this experience was incredibly enriching, as it pushed me beyond my comfort zone and facilitated substantial professional growth. I am especially grateful for the support I received from Mr. Mukesh Bansal during my initial two years in the PPC section, when he was leading the department.

In November 2015, I got another wonderful opportunity to shift into the Corporate Raw Materials department. As with previous changes, I embraced this new challenge and have been part of the raw materials sourcing team for about 9 years. This role has been vastly different from my earlier experiences, which were more focused on internal communication, production, and commercial aspects. Engaging with external stakeholders, suppliers, and conducting site visits provided me with valuable exposure and broadened my professional horizons.

Through these varied experiences, I've come to realize that success and fulfillment are not just about excelling in a specific field but also about embracing change and continuously learning. Each role has added a new dimension to my career, making the last 24 years at Vardhman an enriching journey that has significantly shaped my perspective.

Can you tell us about your family and any traditions or values that you think are important to pass on to future generations?

I come from a family that is traditionally involved in business. I was the first in my family to take up a job, which was a bit unconventional and initially met with some hesitation from the family. A value that has always been important to me, and which I believe is crucial to pass on, is the principle of taking ownership of whatever I do, treating my work as if I were the owner. This sense of responsibility and accountability has been a guiding force in my professional life and decision-making.

As for my family, my parents still reside in Moga. I live with my wife and our son in Ludhiana. My wife is a homemaker, and our son is currently pursuing a B.Com degree. We share a close bond and enjoy spending quality time together, which is an important part of our family life.

How have technological advancements impacted your life, and what are your thoughts on the rapid pace of change, both within the company and outside?

Change is inevitable, and I've always embraced it. While it's common for people to resist change, I've found it essential to stay open unless it's clearly not beneficial. A notable experience was in 2008 when I moved to the PPC (Production Planning and Control) department, a challenging shift given my background in commerce and finance. Despite the challenges, I embraced the change and eventually managed a large-scale operation, producing around 600 tons of yarn per day, which has since increased to nearly 750 tons.

Technological advancements have been pivotal in this journey. For example, we transitioned from manual data handling to the Yarn Planning System (YPS), a significant technological upgrade that streamlined our operations and improved efficiency. Implementing YPS was challenging due to the large volume of data and the need to get the team on board, but it was crucial for our growth.

An illustrative moment was when our Chairman eagerly reviewed the new planning system's implementation, underscoring the importance of such advancements in our company. Embracing technology and change has been vital for growth and adaptation, both professionally and personally. Staying in a comfort zone might sustain you, but embracing challenges and advancements drives growth and learning.

Could you tell us about a hobby or interest you're especially passionate about and how it has impacted your life? Additionally, how do you manage to balance your personal and professional responsibilities?

I have a strong passion for sports, particularly cricket and badminton. During my school and college days, I was actively involved in both, often being part of the teams. Although I don't play as much now, these sports have always been my favorites and have enriched my life by teaching me teamwork, discipline, and perseverance.

Balancing personal and professional life is crucial, especially with a family. My son shares my interest in sports, particularly cricket and badminton, so we make it a point to spend quality time together in the evenings and on weekends. We often play these games which helps us relax and stay fit.

In addition to sports, I enjoy traveing. Whenever possible, I like to take trips with my family, which provides a great way to unwind and create memorable experiences together. This balance between work, family time, and personal interests helps me maintain a fulfilling and well-rounded life.

How do you perceive crises and challenges, and what is your approach to dealing with them?

I strongly believe that every crisis comes with its own set of solutions and opportunities. It's natural for people to feel worried or irritated when faced with problems, but I see crises as chances for growth and learning. Without challenges, we wouldn't discover new ways of doing things or develop new skills.

I hold the view that if a crisis occurs, it's not truly a crisis but an opportunity. It pushes us out of our comfort zones and forces us to think differently. I also believe that if God puts you in a difficult situation, it's because He knows you're capable of handling it. The very fact that you're facing a challenge suggests that you're equipped to deal with it, and the solution often lies within the problem itself.

Instead of focusing solely on the issue, it's important to look for the opportunities and solutions that arise from it. This mindset not only helps in overcoming the crisis but also in growing from it. In my experience, crises are essential for learning and development, as they teach us resilience and innovation.

There's one key takeaway I'd like to share : The importance of embracing change, facing challenges head-on, and learning continuously . Success isn't just about achieving goals; it's about the growth that comes from navigating through both the highs and lows. At Vardhman, I've been fortunate to work with incredible teams and mentors who have supported me in every step. To the new generation, I encourage to stay open to new opportunities, take ownership of your work, and always look for the lessons in every situation. It's this mindset that will drive your growth, both personally and professionally.

Rajan Jindal
Section Head - Raw Material Procurement

आर्टिफिशियल इंटेलिजेंस (AI) : भविष्य का पथप्रदर्शक

आर्टिफिशियल इंटेलिजेंस (AI), जिसे कृत्रिम बुद्धिमत्ता भी कहा जाता है, आज हमारे जीवन के लगभग हर क्षेत्र में क्रांति ला रहा है। यह केवल विज्ञान कथाओं का हिस्सा नहीं रहा, बल्कि अब यह हमारी रोजमर्रा की जिंदगी का एक महत्वपूर्ण अंग बन चुका है। AI तकनीक, कंप्यूटर विज्ञान और डाटा एनालिटिक्स के माध्यम से मशीनों को इस काबिल बनाती है कि वे मानव जैसी बुद्धिमत्ता का प्रदर्शन कर सकें।

AI की सबसे बड़ी ताकत उसकी सीखने और समझने की क्षमता में निहित है। मशीन लर्निंग और डीप लर्निंग जैसे तकनीकी उपकरणों का उपयोग करके, AI सिस्टम विशाल मात्रा में डेटा का विश्लेषण कर सकते हैं और इससे सीख सकते हैं। यह क्षमता उन्हें त्वरित और सटीक निर्णय लेने में सक्षम बनाती है। उदाहरण के लिए, AI एल्गोरिदम जटिल समस्याओं का समाधान कर सकते हैं और नई चुनौतियों के लिए उपयुक्त समाधान प्रदान कर सकते हैं।

AI का मुख्य उद्देश्य मानवीय क्षमताओं का विस्तार करना है। यह न केवल हमें अधिक कुशल बनाता है, बल्कि हमें उन कार्यों पर ध्यान केंद्रित करने की अनुमति भी देता है जो अधिक रचनात्मक और रणनीतिक हैं। AI के माध्यम से हम अपने दैनिक कार्यों को स्वचालित कर सकते हैं, जिससे हमें अधिक जटिल समस्याओं पर ध्यान केंद्रित करने का अवसर मिलता है। यह तकनीक हमारे जीवन को आसान बनाती है और हमें अधिक उत्पादक बनाती है।

AI के व्यापक उपयोग के साथ नैतिक और सामाजिक मुद्दे भी सामने आते हैं। AI सिस्टम में पारदर्शिता, निष्पक्षता और जवाबदेही सुनिश्चित करना अत्यंत महत्वपूर्ण है। यह आवश्यक है कि इह का विकास और उपयोग जिम्मेदारी से किया जाए, ताकि यह सभी के लिए लाभकारी हो। नैतिक मानकों का पालन करते हुए, AI तकनीक को समाज की भलाई के लिए उपयोग किया जाना चाहिए।

AI केवल एक तकनीकी उन्नति नहीं है; यह एक परिवर्तनकारी शक्ति है जो वास्तविक समय में हमारी दुनिया को नया रूप दे रही है। इसका भविष्य न केवल आज को बदलने की इसकी क्षमता में निहित है, बल्कि कल को सशक्त बनाने की इसकी क्षमता में भी है।

जैसे-जैसे हम आगे बढ़ते हैं, AI की पूरी क्षमता को जिम्मेदारी और न्यायसंगत तरीके से उपयोग करने के लिए प्रौद्योगिकीविदों, नीति निर्माताओं और समुदायों के बीच सहयोग बढ़ाना महत्वपूर्ण होगा। AI हमारे जीवन को न केवल आसान बना सकता है बल्कि हमें नई ऊंचाइयों तक पहुंचा सकता है। इसके साथ ही, हमें इसके नैतिक और सामाजिक पहलुओं पर भी ध्यान देना होगा, ताकि इसका लाभ सभी को मिल सके और यह समाज के विकास में सहायक सिद्ध हो सके।

आर्टिफिशियल इंटेलिजेंस (AI) का भविष्य उज्ज्वल है। इसके जिम्मेदार उपयोग और निरंतर विकास के साथ, हम एक ऐसे भविष्य की ओर बढ़ सकते हैं जहाँ मानवता और तकनीक का समन्वय नए कीर्तिमान स्थापित करेगा। AI का सही उपयोग हमें न केवल आज को बदलने में मदद करेगा, बल्कि आने वाले कल को भी सशक्त और समृद्ध बनाएगा।

Rahul Jha
Spinning Production
Arihant Spinning Mills, Malerkotla

Welcome Aboard

Aakash Thakur
Vice- President (Corp. HR)
Corporate Office, Ludhiana

Dushyantkumar B. Panvar
AVP , Fabric Product Development
Auro Textiles, Baddi

Hitesh B. Patel
EVP, Human Resources & Administration
Vardhman Acrylics Limited, Bharuch

Surendra Kumar Singh
Sr. Manager, Engineering
VSS, Ludhiana

Punit Kumar Nagpal
Manager, CPPD
Corp. Office, Ludhiana

Surendra Pal Singh
Manager, Fabric Sales & Marketing
Auro Textiles, Baddi

Vivek Sharma
Manger, Weaving Production MMF
Auro Textiles (Processing I), Baddi

Varinder Kumar
Manager, Unit Administration
Auro Spinning Mills, Baddi

Naresh Kumar
Asst. Manager, Unit HR & IR
Vardhman Yarns, Satlapur

Pavneet Singh
Asst. Manager, CMD Office
Corp. Office, Ludhiana

Sahil
Asst. Manager, Sales & Marketing
Gurugram Branch (Palm Court)

Jai Gupta
Asst. Manager, Sales & Marketing
Gurugram Branch

Lilu Panigrahy
Asst. Manager, Unit Commercial & Accounts
Vardhman Acrylics Limited, Bharuch

WELCOME

Rebirth and Soul Evolution

Sri Aurobindo

THE IDEAS that men currently form about life and things are for the most part pragmatic constructions. They are forms of a reason which is concerned with giving only such a serviceable account to itself of its surroundings as shall make a sufficient clue to our immediate business of the growth, action, satisfaction of the personality, something feasible, livable, effective for our journeying in Time, something viable in the twofold French sense of the word. Whether it corresponds to or is directly in touch with any real reality of things seems to be very much a matter of accident. It seems to be sufficient if we can persuade our facile and complaisant reason of its truth and find it serviceable and fruitful in consequences for thought, action and life-experience. It is true that there is another unpragmatic reason in us which labours to get rid of this demand of the intellectual and vital personality; it wants to look at the real truth of things without veils and without any object, to mirror the very image of Truth in the still waters of a dispassionate, clear and pure mentality. But the workings of this calmer greater reason are hampered by two tremendous difficulties. First, it seems next to impossible to disengage it entirely from the rest of ourselves, from the normal intellectuality, from the will to believe, from that instinct of the intelligence which helps the survival, by a sort of subtle principle of preference and selection, of the way of thinking that suits our personal bent or the accomplished frame of our nature. And again, what is the Truth that our reason mirrors? It is after all some indirect image of Truth, not her very self and body seen face to face; it is an image moulded from such data, symbol, process of Reality, – if any real Reality there is, – as we can gather from the very limited experience of self and existing things open to human mind. So that unless there be some means by which knowledge can burst through all veils to the experience of the very Reality itself, or unless there be some universal Logos, divine Mind or Supermind, which knows itself and all things and our consciousness can reflect or get into touch with that, a pursuing insufficiency and uncertainty must always keep its baffling grasp upon even the highest power and largest walk of our reason and beset all the labour of human knowledge.