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ZONE

MORE THAN JUST ECONOMICS

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> "We must remember that as professors we don't teach a subject, we teach a person."

Here at JIMS we believe to indoctrinate and instruct as well as galvanize our registrants to be proficient and outshine regardless of what they do anywhere and everywhere. JIMS aims to be cornerstone of guardianship and resourcefulness for all of our registrants. We stimulate the registrants to propel out of their comfort zone and broaden their working capacity. We take initiatives to motivate them through mordenization and acuminating their analytical and logical skills by escalating pragmatic and applied aspect of the formulistic or general knowledge provided to them.

We extensively lay stress on the inculcation of ethics, integrity and admirable governance skill in the registrants. Corporate Management and Community Service mould indispensable part of the Educational Culture and curriculum being taught at JIMS. We enduringly believe that the holistic development should be the destination of business schools in place of fabricating Islets and Silos of knowledge in diversified disciplines of management studies; to hearten the forthcoming leaders of GenZ.

The aspiration to publish the Horizon is to highlight the department of economics as a centre for adequate education and sound upbringing through compendious growth of the registrants in various domains. The emphasis in its lifelong existence has been on the various domains which mainly include.

Team's message

"Pleasure in the job puts perfection in the work".

It gives us immense pleasure to introduce the fifth edition of "HORIZON". It's an honor to be a part of the economics department magazine team of JIMS,Rohini. As a team, we have tried to accomplish pristine work. The heterogeneity of the group has been an important element in the making of HORIZON and has helped us enhance the artistry of it. The team has been offered an opportunity to analyze the world economy better; to study past and current economic events around the globe. HORIZON mentions economics-related facts and figures in a very articulate manner and also, is very insightful for the people even remotely interested in economics. The aim of the magazine is to acquaint its readers with the importance of economics as a subject and call attention to the significance of a holistic development. The magazine is a platform for high-quality, researchoriented articles and extracts in all fields of economics and has eventually made us understand economics from a superior facet. The entire process of making this magazine has rather been an enriching experience for all of us.We hope the first edition of HORIZON will set the bar high and confound its readers. Hoping to receive your valuable feedback.

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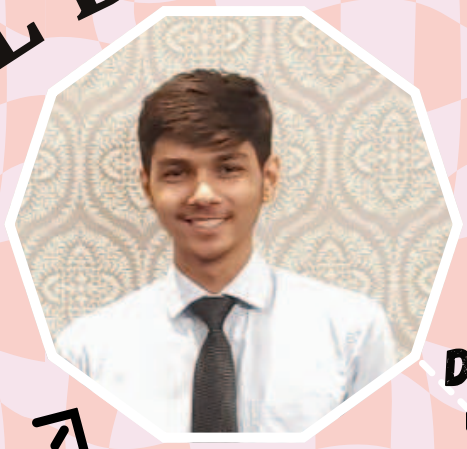

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AI in Mental Health: Transforming Care

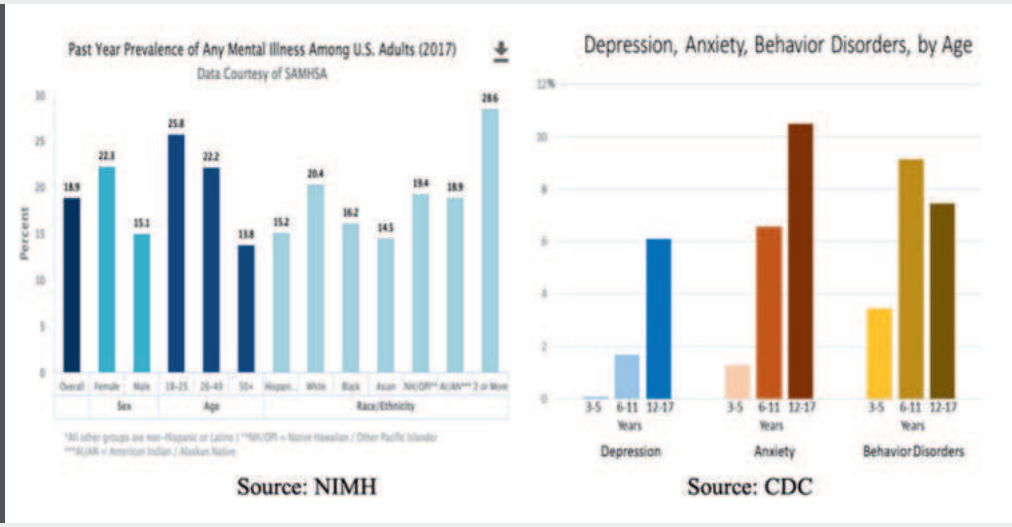
By Riya Saini
BA Economics 3rd Year

Through the development of novel techniques for the identification, management, and prevention of mental health diseases, artificial intelligence (AI) holds the potential to revolutionize the field of mental health care. Artificial intelligence (AI) has the potential to find novel biomarkers and risk factors for mental diseases, as well as to create more individualized treatment regimens by analysing vast volumes of data from a variety of sources, including genetics, neuroimaging, and patient-reported outcomes. Artificial Intelligence (AI) in mental health refers to the capacity to examine vast volumes of data from multiple sources, including neuroimaging, genetics, and patient-reported outcomes. This may make it possible to find novel indicators and risk factors for mental health issues as well as to create more individualized treatment regimens. AI-based techniques, for instance, can be used to identify early indicators of mental health issues or to forecast how well various drugs or psychotherapies will work. AI-based techniques can also be used to identify early indicators of mental health issues and forecast how a patient will react to certain drugs or psychotherapies. AI may also be utilized to create automated screening and evaluation systems that can help patients with their mental health, including chat-bots and virtual assistants.

For those with mental health issues, these resources can provide guidance, a channel of communication, and coping mechanisms. Additionally, they can aid in the development of therapies, the diagnosis of illnesses, and the implementation of more individualized plans of care. AI has also been utilized to create chat-bots and virtual assistants that can help patients with their mental health. For those with mental health issues, these resources can provide guidance, a channel of communication, and coping mechanisms. Additionally, they can support the development of therapies and the diagnosis of illnesses.

Nevertheless, there are drawbacks to using AI in mental health, including issues with data security and privacy, efficacy, user experience and adherence, and data integration. In addition, AI methods could not be able to handle emergency scenarios where users' safety is in jeopardy or might not take patient privacy and confidentiality into account.

Furthermore, the overuse of AI approaches may result in addictive behaviours and an avoidance of in-person meetings with mental health professionals. Many mental diseases are time-varying, and existing machine learning algorithms, which usually focus on cross-sectional findings, may not be able to fully capture this.



Source: NIMH

Source: CDC

Furthermore, bias, brittleness, and inapplicability outside of the training area are some of the drawbacks that AI systems may have. Regulations and ethics are also a problem because engaging with a robot or computer in place of a person may be considered offensive in some cultures. Additionally, the integration of embodied AI in mental health may result in the replacement of current services, exacerbating already-existing health inequities. AI-based counsellors, like Tess and Woe-bot, are being utilized more frequently to provide mental health patients with guidance and a channel of communication. In addition to providing symptom management support, these chat-bots can search for terms that may lead to a referral or direct connection with a mental health expert. Wearables like Bio-beat can use sensors to read body signals and intervene, when necessary, by providing anticipatory warnings.

The National Institute of Mental Health (NIMH) (9), in its breakdown statistics, shows that the population is affected differently by this growing epidemic. Men were 15.1% more likely than women to report having a mental illness (22.3%). 28.6% of persons who identify as belonging to two or more racial groups reported having a mental illness; in contrast, this percentage was 20.4% among adult White people and 15.2% among adult Hispanic people. When taking into account people who got mental health services, the range is much more expansive. While mental health care was accessed by 48% of White persons with AMI (Any Mental Illness), the percentages for Hispanics (32.6%), Blacks (30.6%), and Asians (20.2%) are significantly lower. Several significant elements contributing to this diversity include the patients' socioeconomic circumstances and the societal stigma associated with acknowledgment.

In conclusion, AI has the ability to completely transform mental health services by offering novel approaches to the identification, management, and avoidance of mental health issues. By harnessing the power of data and digital technologies, we can reshape the curve of care, ushering in the future where mental health support is personalized, proactive and inclusive. Frameworks related to ethics and regulations are also important. The application of AI in mental health is anticipated to increase in the upcoming years despite these obstacles, as technology develops and the medical community looks for novel approaches to the expanding mental health epidemic.

AI for Accessible Transportation and Mobility

By Kanak Goel
BA Economics 1st Year

In today's rapidly evolving technological landscape, artificial intelligence (AI) is revolutionizing various industries, including transportation and mobility. AI-powered solutions are playing a pivotal role in making transportation more accessible for individuals with disabilities, thereby fostering inclusivity and enhancing quality of life. Transportation is a fundamental aspect of daily life, enabling people to access education, employment, healthcare and social activities. From autonomous vehicles to smart infrastructure, AI is reshaping the future of accessible transportation in remarkable ways.

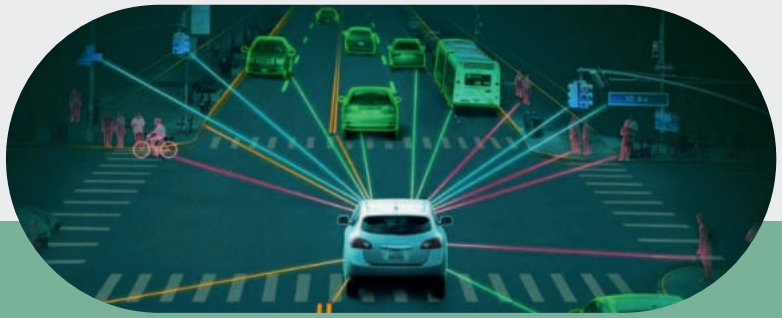
Improving Accessibility with Autonomous Vehicles

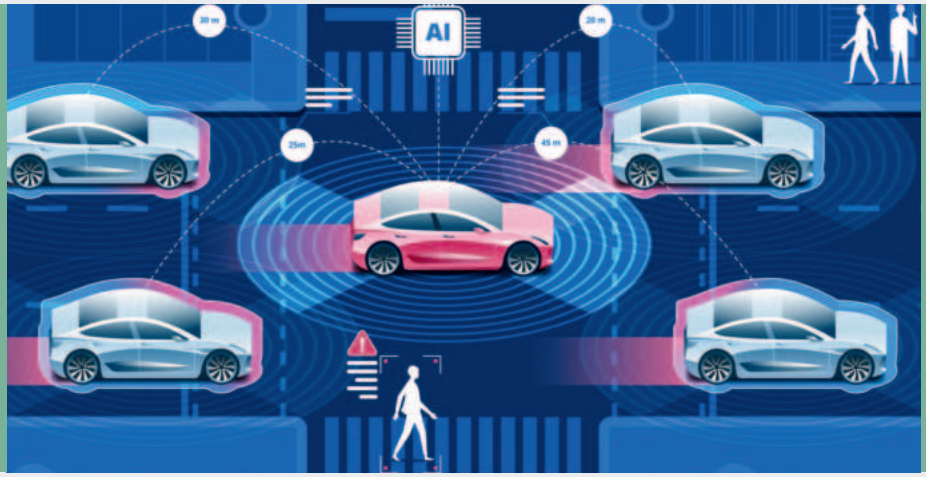
Autonomous vehicles (AVs) hold tremendous potential for revolutionizing transportation for people with disabilities. AI algorithms enable AVs to perceive and interpret their surroundings, navigate complex environments, and make real-time decisions to ensure passenger safety.

For individuals with mobility impairments, AVs offer newfound independence and freedom, eliminating the need for reliance on traditional transportation methods.
Moreover, AVs can be customized to accommodate specific accessibility needs. From wheelchair-accessible designs to automated boarding ramps, these vehicles can cater to diverse passenger requirements, providing a seamless and inclusive travel experience. AI algorithms continually learn from data collected during each journey, refining their capabilities to adapt to various scenarios and enhance accessibility further.

Intelligent Routing and Navigation Systems

AI-powered routing and navigation systems are instrumental in optimizing transportation routes for individuals with disabilities. These systems leverage real-time data, including traffic conditions, road closures, and accessibility features, to recommend the most efficient and accessible routes.





By considering factors such as
Wheel-chair ramps, elevator availability, and barrier-free pathways, AI algorithms ensure that users can reach their destinations safely and efficiently.
Furthermore, these systems can provide personalized assistance and guidance to users with visual or cognitive impairments. Voice-enabled interfaces and augmented reality displays offer intuitive navigation instructions, empowering individuals to navigate unfamiliar environments with confidence. As AI algorithms continue to evolve, routing and navigation systems will become even more tailored to the unique needs of users with disabilities, fostering greater independence and accessibility.

Smart Infrastructure for Inclusive Transportation

AI-driven smart infrastructure plays a crucial role in enhancing accessibility across transportation networks. Intelligent sensors, cameras, and IOT devices monitor traffic flow, detect pedestrian activity, and identify potential hazards in real-time. This data is analyse by AI algorithms to optimize traffic signal timing, prioritize pedestrian crossings, and mitigate safety risks for individuals with disabilities. Furthermore, smart infrastructure enables proactive maintenance of accessible facilities such as sidewalks, curb ramps, and crosswalks.

AI-powered predictive analytics anticipate maintenance needs based on usage patterns and environmental factors, ensuring that these essential amenities remain functional and safe for all users. By integrating AI into transportation infrastructure, cities can create more inclusive environments where individuals with disabilities can navigate with ease and confidence.

Overcoming Challenges and Ensuring Equity

While AI holds immense promise for accessible transportation, it is essential to address potential challenges and ensure equitable access for all individuals. Data privacy concerns, algorithmic biases, and regulatory frameworks must be carefully navigated to prevent unintended consequences and promote fairness in transportation services.
Additionally, collaboration between technology developers, policymakers, and advocacy groups is crucial to designing AI-powered solutions that prioritize the needs of individuals with disabilities. By incorporating diverse perspectives and lived experiences into the development process, stakeholders can create inclusive transportation systems that empower all members of society.

Financial Inclusion through AI-Driven Banking Services

By Anubhav Garg
BA Economics 2nd Year

Something revolutionary is stirring in the world of banking and finance. But you won't find it blaring from headlines or dressed up in flashy PR campaigns. No, this quiet breakthrough is all about using cutting-edge AI to open the exclusive gates of banking to those who've been shut out for far too long. In the era defined by technological innovation, the intersection of artificial intelligence and banking services has emerged as a powerful catalyst for financial inclusions.

At the heart of this movement are a group of innovative companies on an inclusive mission. They aren't just plugging AI into existing financial services - that would be far too simple. Instead, they are rebuilding banking from the ground up to address the fundamental inequalities that have kept quality finance tools out of reach for so many communities.

Their approaches are as advanced as creative they are. Conversational AI assistants can understand you like an empathetic human guide, walking you through complex money management in your own language and cultural context. It's personal finance advice from a highly knowledgeable friend.

Then there are the data mavens crunching millions of unique personal financial patterns to customize affordable banking solutions like never before possible.

With predictive modelling, they map out each individual's specific needs and realities to recommend tools perfectly fitted to their life and means.

Bringing true identity validation to the digital age is another AI-powered game changer. Biometric authentication based on biology rather than documentation finally remedies the identity proofing barriers that largely kept the underserved underbanked. A simple fingerprint can open up access.

But the true genius propelling this sea change forward goes beyond just the brilliant AI tech itself. It's the driving, non-negotiable mission to proactively reach and serve people and communities eliminated from the finance equation for generations - those plagued by poverty, lack of infrastructure, social marginalization and so many other access obstacles.

In rural villages without a bank for miles, mobile AI finance apps are bringing loans, payments and savings vehicles to people's fingertips. In dense urban cores, AI literacy initiatives provide the guidance and education to empower financially invisible groups.

The results are already uplifting and sparking economic growth in countless pockets of the world once written off. More people gaining funds and finance tools means more money circulating through local economies, more businesses launched, more jobs created and higher qualities of life taking root. By incorporating these non-traditional data points, AI-driven credit scoring models can accurately evaluate the creditworthiness of previously unbanked individuals.

AI-driven banking services also raises concerns regarding data privacy, security and algorithmic bias. Safeguarding sensitive financial information and ensuring transparency in AI algorithms are paramount to building trust among undeserved population.

AI-driven services has the potential to revolutionize financial inclusion by breaking down barriers to access and empowering undeserved population with the tools and resources they need to achieve economic stability and prosperity.This inclusive, AI-driven reimagining of money management for the people is more than just a passing trend or PR stunt. Both public and private sectors have taken note and are collaborating to nurture its momentum through smart policies and public-private partnerships. Because at its core, this quiet finance revolution represents one of humanity's greatest callings - to unlock equitable opportunity for all.

AI-Powered Job Matching Platforms

By Jiya Sharma
BA Economics 3rd Year

Being a third-year student, it is very tough to find an appropriate job after graduation. In my mind, the only song that comes to mind is "Idhar chla Mai udhar chla Jane kaha Mai kidhar chal," and when the line "Are fisal gya" comes, the only reply I give to myself is "yeh tune kya kia". But after AI became a part of our lives, now a cool new way to make the whole process easier is AI-POWERED JOB-MATCHING PLATFORM.

You must be wondering what this platform does. Let us look at them as our job-hunting sidekick but in a bit smarter way. Instead of wasting time scrolling through different areas and different platforms just to find a single job, which is too tough, this AI job matching platform makes the heavy lifting task easy for you. By leveraging machine learning techniques, these platforms can accurately match candidates to job openings based on skills, experiences and preferences. You tell it about your skills, experience, and what kind of job you are after, and these AI tools use their super master computer brains to find a perfect match. If you are wondering if they will match you with a bad company, do not worry; they use fancy algorithms to match you with jobs that are a great fit for your skills and what you are looking for. It's like having a job-searching wizard working behind the scenes for you! A bit suspicious, but that is how it works.

By analysing patterns and trends in candidate talent pools, employers can identify talent pools, forecast hiring needs and optimize their recruitment strategies. This is not just limited to job seekers. Employers are big fans too. They can tell the platform what exactly they are looking for in a new employee, and the platform finds the best candidate for them. So eventually, it is a win-win situation for everyone.

With numerous benefits, AI-powered job matching platforms also face challenges and ethical considerations. Concerns about data privacy and job displacement need to be addressed to ensure equitable and responsible use of these technologies.

A pull quote is an impactful quote taken from the article. You can place the quote you want to highlight here.

This platform gets even better when you use it more, just like we talk to people and then get to know about them; this platform learns from your actions. Yes! Of course, there are some things to be careful about. Privacy is super important, so developers have to make sure the information you give is safe and secure, and sometimes the computer can make mistakes and show bias like favouring one type of person over the other, but the developer is working hard to fix it so that everyone gets a fair chance.

So next time you are on the hunt for a job, why not give one of these AI platforms a single shot? Who knows, you might land your dream job/company with a little help from technology.

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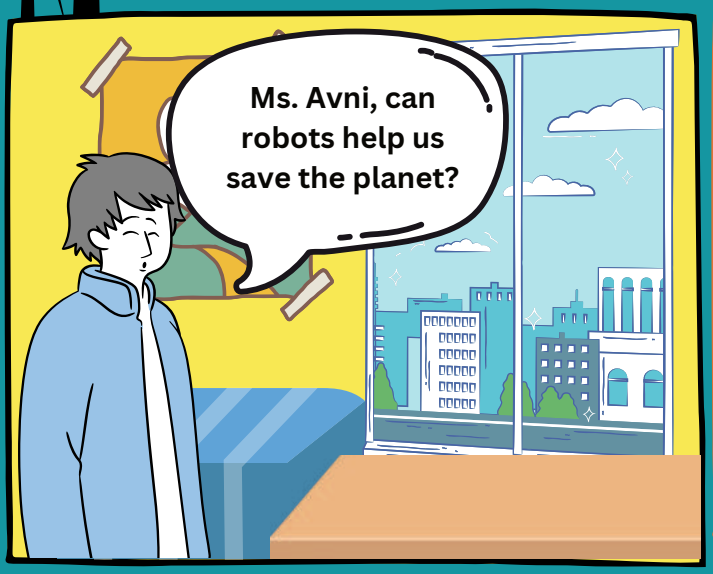
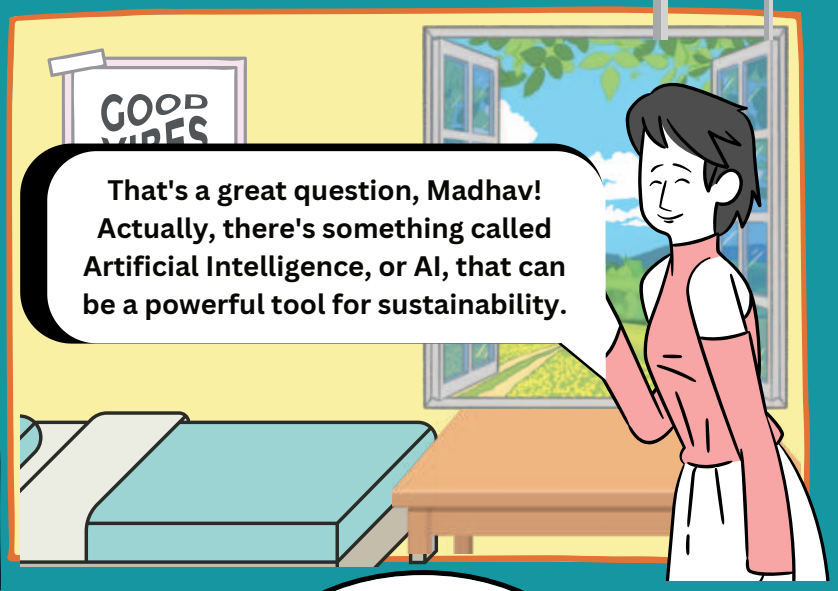
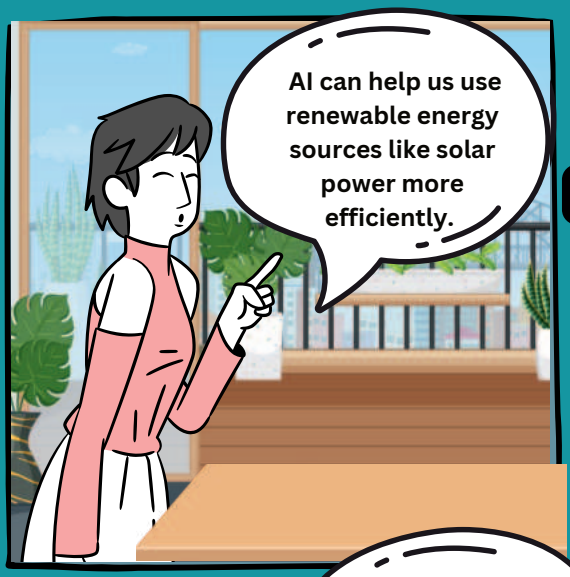
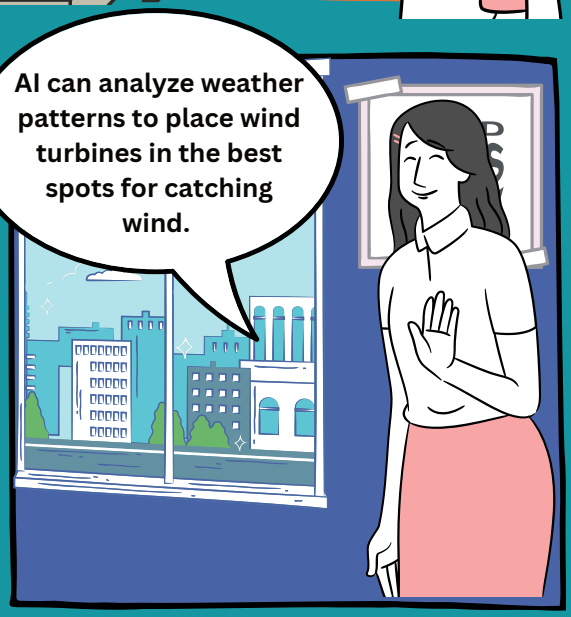
AI IN RENEWABLE ENERGY AND SUSTAINABILITY










Plus, AI can manage "smart grids." That means it can balance the flow of energy from different sources like solar and wind.
So if the sun isn't shining, the wind can pick up the slack?
You got it! AI helps ensure everyone has enough clean energy.
Wow! AI sounds like a superhero for the environment!
It can be! But just like any tool, it's up to us to use it responsibly.
GOOD VIBES ONLY
So maybe we can learn more about AI and use it to create a sustainable future?
That's the spirit, Madhav! We can all play a role in protecting our planet.
ONLY

Ethical consideration and challenges in AI democratization

By Dhruv Gupta
BA Economics 1st Year

The term "AI democratization" encompasses various interpretations, leading to diverse dialogue on its objectives, methodologies, and implications, including the ethical considerations essential when leveraging generative AI and other AI applications. This topic not only explores usage and development but also delves into how profits and governance related to artificial intelligence should be ethically and equitably managed.

Addressing the democratization of AI brings to the forefront critical ethical issues, aiming to ensure that the benefits of AI, particularly in generative AI and AI ethics, are accessible to a broader audience while fostering responsible AI ethics among AI developers. This process highlights the importance of ethical AI in promoting innovation, ensuring fair value distribution, and involving diverse stakeholders in AI governance.

The Ethical Landscape of AI Democratization

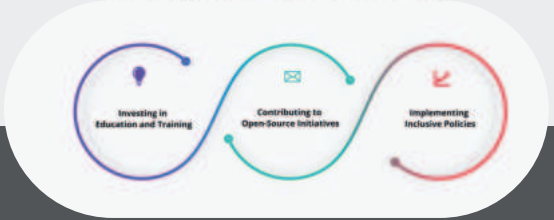
Exploring the multifaceted concept of AI democratization reveals its complexity and the potential conflicts among its goals. The four dimensions of AI democratization include:

1. Democratization of AI Use: Making AI technologies accessible for broad applications, from entertainment to health, enhancing overall well-being and productivity.
2. Democratization of AI Development: Engaging a global community of developers to spur innovation and create AI solutions that cater to a wide array of needs and interests.
3. Democratization of AI Benefits: Aiming to prevent the exacerbation of socioeconomic disparities by distributing AI's economic advantages equitably, thus addressing job displacement due to automation and encouraging AI labs to commit to the common good.

Challenges in Ensuring Ethical AI

In addressing the Challenges in Ensuring Ethical AI, we confront a multifaceted dilemma:

- AI and Political Ethics: AI systems, while innovative, can inadvertently bypass crucial ethical considerations, especially in sensitive areas such as political campaigns. The risk of AI being utilized to strategize political campaigns or direct their course raises significant ethical concerns.



Furthermore, AI's capability to forge artificial human connections and manipulate emotions introduces novel challenges and necessitates the establishment of new rights to safeguard against these unique risks.

• Disinformation and Regulation Hurdles:

• AI-driven disinformation campaigns have emerged as a tool to distort reality and undermine the concept of truth, presenting a direct challenge to ethical AI practices.

• The regulation of AI, particularly on social media platforms, is fraught with difficulties. Companies often struggle to curb the spread of electoral misinformation by malicious actors, highlighting a gap in ethical AI governance.

• Ethical AI Practices and Skills Gap:

• AI democratization is hindered by several obstacles, including the skills gap among developers, data security concerns, compliance with ethical standards, and ensuring the quality and reliability of AI systems.

• The Council of Europe outlines six common ethical challenges in AI, ranging from inconclusive and inscrutable evidence to unfair outcomes and issues of traceability.

These challenges underscore the importance of ethical auditing and the implementation of ethical standards to ensure AI systems do not perpetrate harm. This overview underscores the imperative for clear, strategic responses to the ethical challenges posed by AI, particularly in generative AI applications.

Conclusion

Through the exploration of the ethical considerations and challenges in the democratization of AI, it is clear that while the prospects of making AI technologies accessible and beneficial to a broader audience are promising, significant hurdles remain. The pathways to ethical AI encompass a crucial blend of governance, development, benefit sharing, and inclusive decision-making processes. These elements are foundational in ensuring that AI advances do not merely serve a privileged few but are leveraged for the collective welfare, fostering a global community that thrives on innovation, equity, and respect for ethical norms.

AI in cultural preservation and heritage conservation

By Hardik Pahuja
BA Economics 1st Year

IIn an era where the sands of time constantly threaten the integrity of our cultural heritage, Artificial Intelligence offers a glimmer of hope. It can process vast amounts of data, and identify patterns. The most significant contribution made by AI so far is to assist archaeologists and historians in analyzing artefacts. AI can streamline the process by quickly scanning and categorizing artefacts, and even reconstructing damaged objects.

Managing cultural heritage sites involves balancing conservation efforts with sustainable tourism and development. Drones equipped with AI algorithms can survey vast areas, identifying signs of deterioration or illegal activity including looting or vandalism. This approach allows authorities to intervene properly and preserve sites for future generations. Cultural heritage preservation is crucial for maintaining and respecting the diversity prevalent in India. Moreover, the use of AI in the replication of broken artwork is helping to repair the broken objects to an extent and allowing the utilization of these broken pieces in the best approach possible.

AI plays a vital role in heritage conservation by predicting and mitigating potential risks to historical sites and monuments. With the help of analyzing climate patterns and historical records, AI is identifying environmental threats such as erosion, and natural disasters allowing conservationists to implement proactive measures to safeguard vulnerable heritage sites. There is something to learn from every nook and corner, from the frozen lands of the Himalayas to the lush green south, a country like India boasts of various inherited pieces of culture that need to be preserved.

The external technology tools have been highly useful in the field of cultural heritage documentation and archiving. An array of handheld and tripod-mounted digital cameras, as well as 3D laser scanners and panoramic cameras that are based on artificial intelligence, have helped create high-resolution images and 3D models of monuments and historical sites. This powerful imagery is accompanied by information and metadata including geographical positioning and historical facts.

AI-driven predictive modelling enables heritage professionals to stimulate various conservation strategies and their long-term impacts, optimizing resource allocation and decision-making processes. AI also enhanced public engagement with cultural heritage through immersive experiences and interactive storytelling. The experiences not only foster a deeper appreciation for cultural heritage but also bridge the gap between past and present, fostering cross-cultural understanding and empathy.

Social acceptance is one of the key determining factors for the application of AI systems in cultural heritage preservation in India. With concerns surrounding the inroads of AI towards job security, stakeholders of a cultural site may not be willing to trust AI systems to carry out the preservation and conservational activities. This serves as one of the biggest limitation. In such a case, AI would require frequent re-adjustments to adapt to these environments thus making the technology efficient.

The use of AI in the documentation, preservation and conservation of cultural heritage sites and artefacts has proved to be immensely beneficial in India for many reasons. For one, it has saved an enormous amount of both time and cost in the restoration and preservation of heritage sites. AI empowers communities worldwide to safeguard their cultural legacies for future generations while fostering a deeper understanding and appreciation of our shared human heritage. It is imperative to uphold ethical standards and ensure that the benefits of these advancements are equitably distributed across diverse communities.

AI in Accessible Housing and Urban Development

By Yashika Pal
BA Economics 1st Year

In the realm of urban development and housing, artificial intelligence (AI) is emerging as a powerful force for enhancing accessibility and inclusivity. From designing barrier-free spaces to optimizing resource allocation, AI-driven solutions are reshaping the landscape of accessible housing and urban development. By leveraging innovative technologies, cities and communities can create environments that cater to the diverse needs of individuals with disabilities, promoting independence, safety, and quality of life.

Smart Design for Accessibility

AI is revolutionizing the design process by enabling architects and urban planners to create more accessible spaces. Through advanced algorithms and machine learning techniques, designers can analyse vast amounts of data to identify optimal layouts, materials, and features that enhance accessibility for individuals with disabilities. From wheelchair ramps to tactile paving, AI-powered design tools ensure that every aspect of the built environment is carefully tailored to meet diverse accessibility needs. Furthermore, AI facilitates the simulation of various scenarios, allowing designers to visualize how people with different disabilities navigate and interact with their surroundings. This iterative design process enables the dentification of potential barriers and the implementation of innovative solutions to overcome them. By prioritizing accessibility from the initial stages of development, cities can create inclusive environments that promote independence and equality for all residents.

Adaptive Technology for Independent Living

In the realm of housing, AI-driven adaptive technology is empowering individuals with disabilities to live more independently. Smart home systems equipped with AI algorithms can automate tasks such as adjusting lighting, temperature, and security settings based on user preferences and behaviour patterns. Voice-controlled interfaces and gesture recognition technology provide intuitive ways for individuals with mobility impairments to interact with their surroundings, enhancing convenience and accessibility. Moreover, AI-powered assistive devices, such as smart prosthetics and wearable sensors, offer personalized support to individuals with disabilities in performing daily activities. These devices leverage machine learning to adapt to users' unique needs and preferences, providing tailored assistance and improving overall quality of life. By integrating adaptive technology into housing design, cities can create living environments that empower individuals with disabilities to thrive independently.

Data-Driven Urban Planning

AI is revolutionizing urban planning by harnessing the power of data to inform decision-making and optimize resource allocation. Through predictive analytics and simulation models, planners can anticipate future trends, identify potential barriers to accessibility, and prioritize infrastructure investments accordingly. For example, AI algorithms can analyse demographic data to pinpoint areas with a high concentration of residents with disabilities and allocate resources for accessible housing, transportation, and public amenities.

Furthermore, AI enables dynamic and responsive urban planning, allowing cities to adapt to changing needs and circumstances in real-time. Smart sensors and IoT devices collect data on factors such as traffic flow, pedestrian activity, and environmental conditions, providing valuable insights for optimizing urban infrastructure and enhancing accessibility. By leveraging AI-driven analytics, cities can create inclusive environments that cater to the diverse needs of all residents, regardless of ability.

Ensuring Equity and Inclusion

While AI holds immense promise for accessible housing and urban development, it is essential to address potential challenges and ensure equitable access for all individuals. Concerns about data privacy, algorithmic bias, and the digital divide must be carefully considered to prevent unintended consequences and promote fairness in AI-driven solutions. Additionally, collaboration between stakeholders, including policymakers, advocacy groups, and technology developers, is crucial to designing inclusive housing and urban development strategies that prioritize the needs of individuals with disabilities.

Conclusion

In conclusion, AI is transforming the landscape of accessible housing and urban development by driving innovation and inclusivity. Through smart design, adaptive technology, data-driven planning, and collaborative efforts, cities can create environments that empower individuals with disabilities to live independently and participate fully in community life. By harnessing the transformative potential of AI, we can build truly inclusive cities, ensuring that everyone has the opportunity to thrive and contribute to society.

AI in Legal Services and Access to Justice

By Drishty Adlakha
BA Economics 2nd Year

AI is a new computer science technology that can perform tasks competitively faster than human intelligence. AI has various significant implications for the legal framework and there are vast amounts of data generated in the legal services or profession. AI helps in identifying biasness within the legal framework which leads to a fair and just approach to the law. It is essential for improving access to justice and ensuring that our legal framework works effectively and is relevant so as to provide easy access to justice.

AI is useful in legal services as it helps predict legal outcomes and relevant points of law and make accurate predictions about how a particular case will resolve. It aids in providing quality justice, and reducing human errors within the legal system. AI assists in identifying biasness in legal system leading to a more fair and just outcome.

AI provides access to justice as it helps service providers produce user-friendly content for people with life legal issues by creating more and more useful guides, creating visual content, making content more usable, and identifying the strategies and legal analysis to address.

It provides tech development and online services by improving doc assembly tools that connect with courts, by improving online outreach, and by improving website design. AI helps service providers screen cases, prep for service and connect with resources by improving the efficiency of the intake process, by referring people to other services to help.

Access to justice is a crucial aim in achieving true accessibility. Technology providers must also explore how they can competitively price and market their products in a way that expands the accessibility of their offerings to the wider market. AI provides data privacy and security which often involves sensitive personal information. It provides quality and accuracy, incorrect or misleading advice could have serious implications on individual legal rights and outcomes. It provides transparency and explainability, lack of transparency can make it difficult for individuals to challenge or understand the AI's decision. Furthermore, there is a risk that AI may exacerbate existing inequalities if not implemented carefully.

The integration of AI into the legal system has the potential to revolutionise access to justice. By leveraging machine learning algorithms, AI can streamline legal processes, enhance efficiency, and reduce costs. AI algorithms can analyse vast amounts of legal data to identify patterns and precedents, aiding lawyers in building stronger cases and delivering more accurate legal advice.

In conclusion, while AI holds great promise for improving access to the legal system and justice, it must be deployed ethically and responsibly. Collaboration between legal experts, technologists, policymakers, and communities is essential to ensure that AI enhances, rather than undermines, access to justice for all individuals, regardless of their socioeconomic status or background. By addressing these challenges proactively, society can harness the full potential of AI to create a more equitable and efficient legal system.

AI-Powered Education and Skill Development

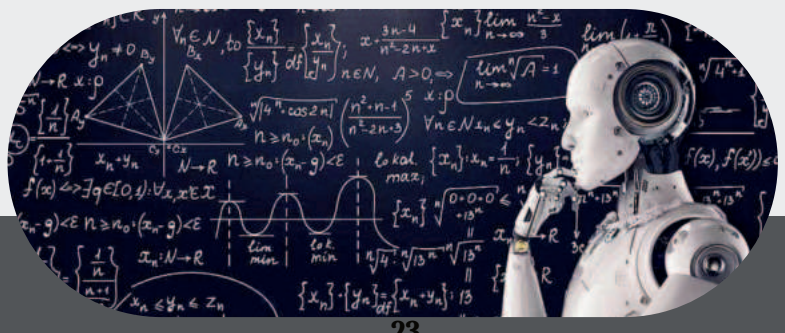
By Madhav S Jaiswal
BA Economics 2nd Year

Artificial intelligence (AI) is playing an important role in the transformation of skill development and education in India by providing creative answers to a range of problems and improving academic results. Educators are using AI-powered tools and platforms to increase access, equity, and quality in education across the nation as a result of the technology's rapid growth. From personalised learning experiences to adaptive assessment tools, AI-powered education initiatives are reshaping traditional paradigms and empowering learners of all ages to thrive in the digital age.

AI is mostly impacting education in India through customized learning opportunities. India's online education industry, which was estimated to be worth 5.76 billion USD in November 2023, is projected to increase to 14.65 billion USD by 2028 due to the rising demand for customized and flexible learning programs. AI-driven adaptive learning systems examine student performance data, learning preferences, and trends to provide individualized help, timing, and material.

Through sophisticated recommendation algorithms and online learning platforms, artificial intelligence is enabling lifelong learning and skill development. Recommendation engines driven by AI evaluate the preferences, interests, and objectives of students to provide individualized learning paths, programs, and materials. AI-driven feedback mechanisms analyse student's responses, identify misconceptions and offer targeted interventions to address gaps in comprehension. This results in increasing people's employability and competitiveness in the labour market by enabling them to pursue lifelong learning, upskilling, and professional growth.

With intelligent tutoring systems, AI is transforming education. It also ensures that each and every student receives targeted support and challenges aligned with their unique abilities. Students varied learning needs and abilities are met by this individualized approach, which eventually improves student engagement, motivation, and academic performance.



AI-powered tutoring solutions in India, where many schools have a high student-teacher ratio, give students individualized guidance and feedback in addition to regular classroom education. The Gross Enrolment Ratio (GER) in Indian higher education climbed from 25.8% in 2017–18 to 27.1% in 2022–23, per the All-India Survey on Higher Education (AISHE). Tutoring platforms with AI capabilities provide scalable answers to meet the increasing need for individualized help and high-quality education, especially in underprivileged and rural places. In order to improve learning outcomes, educators and policymakers are making data-driven decisions using AI-driven analytics and predictive modelling. AI systems are able to recognize patterns, trends, and areas that require intervention by analysing enormous volumes of student data. Educational institutions are using AI-driven data more frequently to monitor student progress, forecast dropout rates, and allocate resources as efficiently as possible. With the use of these insights, teachers can better target interventions, recognize students who may be at-risk, and improve learning and retention.

In conclusion, AI is fundamentally changing how India develops its workforce and conducts training. AI technologies provide creative solutions that address the various needs of educators and students. These solutions range from data-driven decision-making and online learning platforms to individualized learning experiences and intelligent tutoring systems. India can realize its human capital potential and propel socio-economic growth in the digital era by utilizing AI to fast track the attainment of inclusive, equitable, and high-quality education for all.

Myth Buster

1. AI Will Only Benefit Big Corporations

AI can level the playing field for small firms by giving them access to tools for automation, data analysis, and personalized services. AI tools can boost productivity, accuracy, and cost savings by streamlining a variety of company activities, including accounting, HR management, and sales and marketing. AI-driven chatbots, for example, can answer consumer questions, giving staff members more time to work on more difficult jobs. Data-driven decision-making is made possible by AI's ability to analyze massive amounts of data and offer insights into consumer behavior and industry trends. AI-generated content can also help with marketing initiatives, and recommendation systems can direct users to actions that will probably get a good response from them.

2. AI Will Lead to Job Losses

It's a frequent fallacy that AI would result in mass unemployment and job losses. Although AI has the ability to automate some chores and replace some occupations, it also opens up new career prospects in fields like data annotation, AI ethics, and AI development. AI can also increase productivity, which will create jobs in other industries.

AI's effects on the labor market are intricate and varied. AI has the potential to replace jobs in several industries by automating repetitive tasks. For example, professional drivers may be replaced by self-driving cars, and customer care agents may be replaced by sophisticated chatbots. As demonstrated by applications in the fields of healthcare, transportation, and environmental sustainability, artificial intelligence (AI) can establish completely new sectors and employment categories.

3. AI Will Increase Economic Disparities

Given that AI has the potential to impact both income inequality and the employment market, there is reason to be concerned about how it can widen economic gaps. Artificial Intelligence has the ability to automate occupations, especially in low-skilled industries, and increase wealth inequality by drawing attention to individual skill gaps and technological accessibility. To assure greater involvement in the AI economy, however, democratizing AI through easily accessible education, training courses, and open-source technologies can help close the gap. AI has the potential to open up new career paths in specialized domains like data annotation, AI ethics, and AI development, but these jobs may need for advanced abilities, which could widen the wage gap between those who have access to these kinds of programs and those who don't. In order to lessen this, legislators should fund initiatives that prioritize technical skills, ensuring that individuals without means can access these benefits.

4. AI Will Replace Human Creativity

Artificial intelligence (AI) will support human creativity by helping with tasks like idea generation, content development, and design, rather than replacing it. By offering new tools and methods for realizing ideas, optimizing workflows, and opening up new opportunities for iteration, the incorporation of AI can improve the creative process. Artificial intelligence (AI) algorithms have the ability to evaluate data, propose novel ideas, and produce numerous iterations rapidly, enabling people to effectively consider several possibilities. Artificial intelligence (AI) enhances human creativity by surpassing cognitive constraints, fostering divergent thinking, and offering a variety of viewpoints. This encourages more creative and expansive thinking.

AI in Remote Work and Digital Nomadism

By Aditya Tiwari
BA Economics 1st Year

Nowadays, people increasingly embracing remote work and digital nomadism, these two concepts are being seen as a turning point on both lifestyles and working styles. It is here at the core- where AI has found its way in- that remote workplaces are getting innovative working environments, greater efficiency in the areas of digital nomadism. So, how not touch on the world of smart living brought forth by AI in the remote living and workstation as well?

•Streamlining Collaboration and Communication

Improving Teamwork and Talking

Convenience and usability of media like Slack, Teams and Zoom make them perfect for the general teams that are not nearby. They help people along with communication and cohesion of groups everywhere. They do everyday jobs like to menu planning, smooth meeting process, and language translation with AI. It brings a better colour to it, makes working enjoyable and helps teams get a feeling of closeness.

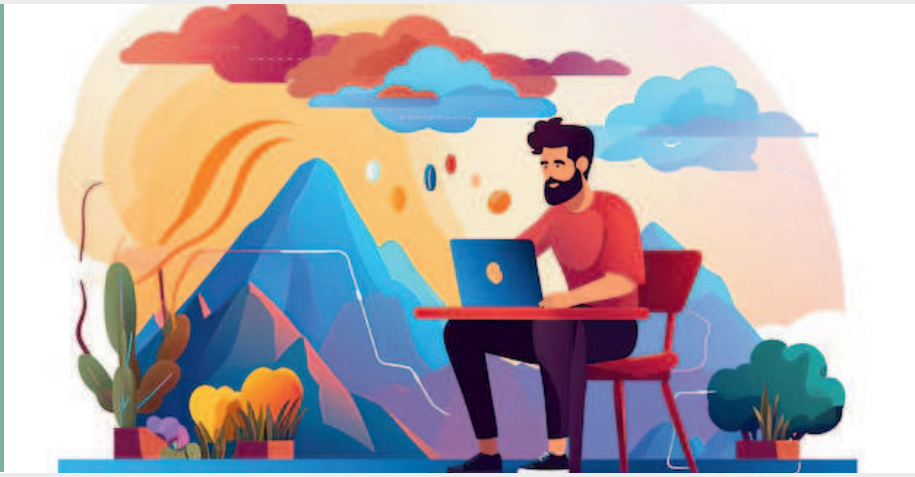
•Task Automation raises efficiency

By AI algorithms that take away routine tasks where they perform labour-intensive, human resources free up their time for strategy making. Machine learning is the main essence of AI which develops the automation of production. As a result, the machine learning method has multiple ways that start by effectiveness and then feedback as the terms that this method highlighted. This can relieve the tiresome conditions of manual work and this can be a reason why we are happier with our jobs unlike before because of the value and the quality increases.

•Personalized Learning and Skill

Learning from one another and growing together.

The increased appearance of remote working will definitely widen the group of people who want to learn and introduce their improvement offline. AI is not only something about smart educational website by Coursera and Udemy. To provide a satisfactory tutoring experience, they determine what each pupil requires and what he/she likes.



The portals do that through AI: they propose courses, monitor progress, and provide targeted information. It allows them to learn more and add new skills to their armoury that are required for achieving success in the uncertain and dynamic job market today.

•Digital Nomads Shared Virtual Collaboration Spaces for Socialization.

The virtual environment for the employees who move. During the process of traveling individuals working online employ the same mode of virtual communication as the rest would do to talk, notify, and get essential services. Online-based smart computer tools such as Nomad list and Remote year diligently fills space with information on safe places to operate a business, open collaboration spaces, as well as events available. As such it becomes easy for them to find a place of their liking, where they feel comfortable. Furthermore, smart computers, and artificial assistants personalize the experience of working or traveling with their individualistic advices and aids, tailored for everyone which makes their whole experience of working and traveling enjoyable.

•Addressing Security challenges

Dealing with Security Problems

Security issues have always been there, now that, as working at distance became an inevitable option, makes many people insistently think about them. Cyber sensors will be able to see bad code and efforts to trick people working away from location or working with digital business and secure them. Besides that, smart tech that monitors people's actions can identify probable problems and fix them before the damages become too severe, so remote workers' desks will be safe.

To conclude, AI will certainly lead us in the direction of digitalization of remote work and nomadism, since it will open new opportunities for cooperation easier and faster than is in current technology, will automate simple tasks, provide better treatment of newcomers, and will take care of the security question. AI will be increasingly necessary for the unfolding of the remote work phenomenon, correct organization, and bringing togetherness to a world where a person works from a home connected with many

AI in entrepreneurship and small business development

By Siddharth Tyagi
BA Economics 2nd Year

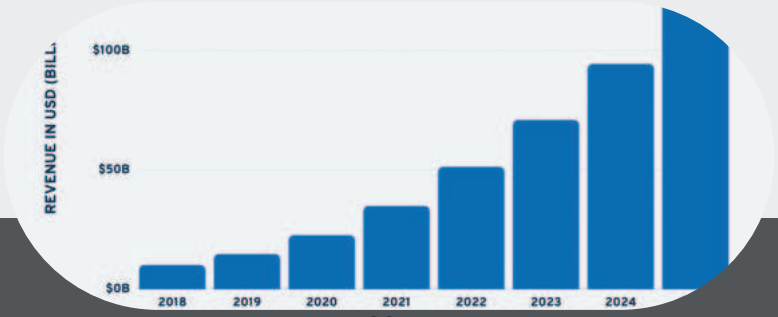
In the dynamic landscape of entrepreneurship, the integration of technologies has become a necessity for sustainable growth. Among these, Artificial Intelligence (AI) stands out as a transformative force, revolutionizing how small businesses operate, compete, and thrive in an increasingly digital world. Artificial intelligence is the most advanced technology being used in many industries for complicated tasks so as to make them easily achievable and save time. AI has the ability to learn independently and solve problems, making them very valuable for entrepreneurs and businesses.

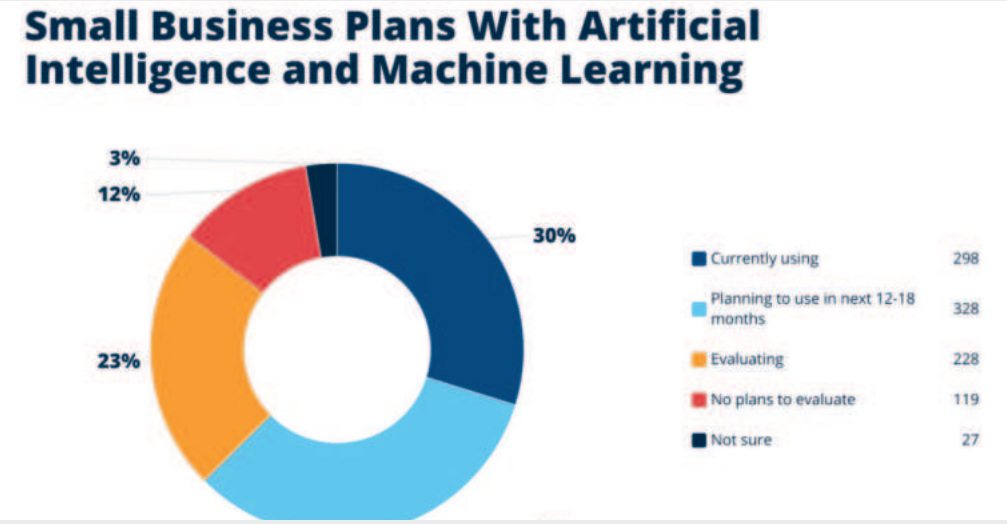
This gives us certainty that the new wave of entrepreneurs is always looking for opportunities. AI entrepreneurs can work smartly, efficiently, adapt and analyse data to find the right fit more efficiently. Entrepreneurs use AI analytics tool to gain valuable insights into market, competition, and emerging opportunities, enabling data-driven decisions and strategic planning.

For small businesses, AI tools can be used for smooth operation, inventory management, etc.

AI is like having a smart assistant for small businesses. It helps with tasks that are boring and repetitive, so that all the focus and resources can be diverted on the important stuff to make the business grow. AI helps to analyse market and customers, making it easier for small businesses to thrive. There are many different ways that AI can help businesses, like customer service, by making it easier for agents to quickly deal with customers' problems.

It is also incredibly beneficial for marketing and sales, as marketers rely on AI to better understand their prospects, whereas Sales professionals often use it as a way to create complex deals without having to negotiate with individual customers. According to a study, 83 percent of early adopters of AI in small business reported significant growth in revenue. For example, AI-driven data analytics tools have enabled businesses to enhance customer recommendations, resulting in an increase in revenue. Moreover, AI-powered chatbots have reduced customer service costs by 30% while increasing customer satisfaction and response time.





With AI making operations easy and efficient, optimizing processes, and improving customer experiences, small businesses are poised to thrive in today's competitive landscape, driving innovation and economic growth.

According to a study, adopting AI can increase labour productivity up to 40 percent by 2035. With AI's ability to automate tasks, personalize experiences, and optimize operations, small businesses are empowered to compete on a global scale and drive innovation in their respective industries for entrepreneurs, AI assists with research, logos , names, websites, and more. For instance, there are many AI tools for startups and plenty of AI solutions that can be customized according to entrepreneur needs.

To summarize, AI has been a game-changer for entrepreneurs and small businesses, making their lives easier and businesses more successful. By automating tasks, understanding customers better, and helping with decision-making, AI has opened up new possibilities for growth and innovation. With AI on their side, entrepreneurs can focus more on what they do best, driving their businesses forward and staying competitive in today's fast-paced world. As AI technology continues to advance, the future looks bright for small businesses, promising even more opportunities for success and prosperity.

AI-Powered Language Translation and Communication

By Vanshika Jain
BA Economics 2nd Year

The dynamic human civilization, language is both a barrier and a bridge. It is the medium through which we express our ideas, tell our stories, and connect with each other. However, language differences often cause problems that hinder communication across cultures and borders. Artificial Intelligence (AI) is a game changer in translation and communication.

Imagine a world where language is no longer a barrier but a gateway to understanding and collaboration. This vision has become a reality thanks to the intelligent translation of the language. Unlike traditional translation methods used by human intelligence, AI uses the power of neural networks to analyse multilingual data and create accurate and seamless translations on the fly.

The basis of AI translation is neural machine translation (NMT), a technology that enables the human brain to learn and understand standard language. NMT models process text in one language through deep learning algorithms and produce the corresponding output in another language by combining different languages with unprecedented speed and accuracy.

But AI-assisted translation is more than transferring words from one language to another; it's about preserving the nuances and cultural elements that make a language unique. Today's AI models are trained on many different types of data, including verbs, verbs, and gestures, allowing them to create interpretations that capture the meaning and voice of the original text.

What is actually extraordinary is the possibility of using artificial intelligence in translation through different models. From the written word to the spoken word, artificial intelligence is disrupting communication. The combination of technology and artificial intelligence can achieve real-time translation of spoken words, transforming interaction between cultures, conversational work, and advocacy.

Also, artificial intelligence translation is not limited to keywords; It also includes minority and indigenous languages. Using artificial intelligence, linguists and conservationists are revitalizing endangered languages, preserving cultural heritage, and helping marginalized communities teach them stories for the world.

But the journey to effective communication skills is not without its advantages and challenges. One of the persistent problems, especially in languages with rich syntactic structures and semantic nuances, is overcoming ambiguity and context dependency. Additionally, ensuring the integrity and accountability of AI translation technologies requires addressing issues related to data privacy, bias reduction, and algorithmic transparency.

Despite these challenges, the potential impact of AI-supported translation on global communication is huge. In international diplomacy, intelligence serves as a diplomatic support by promoting dialogue and negotiation between countries where multiple languages are spoken. In business, AI-powered translation facilitates cross-border transactions, e-commerce, and customer support, allowing businesses to easily access international trade.

Looking ahead, the future of AI-powered translation is full of exciting possibilities. As AI models continue to evolve and learn from user feedback, they will become better at picking up nuances and adapting to different communication styles. Additionally, advances in multimodal intelligence will enable the integration of text, audio, and visual language, making cross-lingual and cross-cultural communication possible.

In short, smart translation is not a technological innovation; It is responsible for cultural exchange, cooperation and understanding in a connected world. By harnessing the power of artificial intelligence, we are not only breaking down language barriers, but also building bridges of understanding and connection across borders. As we enter a new era of communication, let's embrace the transformative potential of artificial intelligence to create a more integrated and connected world.

AI for Environmental Monitoring and Conservation

By Sargun Kaur
BA Economics 1st Year

In recent years, the intersection of AI and environmental conservation has presented promising solutions to tackle pressing ecological challenges. Artificial Intelligence has emerged as a transformative force, providing unparalleled capabilities for environmental monitoring and conservation. From monitoring biodiversity to combating deforestation, AI technologies are revolutionizing the way we observe, analyze and protect the natural world.

AI in Environmental Monitoring

Traditional methods of environmental monitoring involves manual data collection, which can be time-consuming, expensive and limited in scope. AI, however, offers a solution by automating data collection and analysis processes across various domains.

- ·Ocean Monitoring: AI algorithms through ocean monitoring analyzes the data from satellite imagery and autonomous vehicles to monitor ocean health and detect illegal fishing activities. These technologies help in protecting the marine ecosystems and support the sustainable fisheries management.
- ·Wildlife Tracking and Conservation: AI-Powered camera taps and acoustic sensors can identify and track species and monitor the animal behavior. Machine learning algorithms can shift through vast amounts of images and audio recordings that enables the researchers to monitor elusive or endangered species more effectively.

Predictive Modelling for Conservation Planning

AI driven predictive modelling plays a crucial role in conservation planning by forecasting the impact of human activities and climate change on ecosystems.
AI can predict species distributions, assess the risk of habitat loss and optimize the placement of protected areas by analyzing the historical data and environmental variables. These predictive models empower the conservationists to develop the proactive strategies for habitat restoration and wildlife management.

Ecosystem Restoration

AI algorithms optimize reforestation efforts by analyzing soil data, climate conditions and species interactions. These technologies aid in selecting suitable tree species, determining planting locations and also helps in maximizing ecosystem resilience.

Citizen Science and AI-Powered Apps

Citizen Science coupled with AI-Powered mobile applications are democratizing environmental monitoring and engaging communities in conservation efforts.

Smartphones apps that are equipped with image recognition allows the users to contribute data by capturing photos of plants, animals and environmental phenomena. This data can then be used to analyze or to track the species populations and assess habitat quality helps in providing valuable insights for conservationists and policymakers.

Challenges and Ethical Considerations

Though AI offers immense potential for environmental monitoring and conservation there are some challenges that needs to be addressed and those challenges are as follows:

- Interdisciplinary Collaboration: Effective Implementation of artificial Intelligence in conservation requires collaboration between ecologists, policymakers and local communities. The approach of Interdisciplinary ensures that AI technologies are tailored to meet the specific needs and contexts of conservation projects
- ·Ethical and legal implications: Issues related to data privacy, algorithm bias and equitable access to technology must be addressed to ensure that AI solutions benefit both ecosystems and human communities

Conclusion

As humanity brawls with unprecedented environmental challenges, harnessing the power of AI is paramount for monitoring and conserving Earth's biodiversity and natural resources. The application of AI in conservation and environmental monitoring has represented a paradigm shift in our approach to addressing complex ecological challenges.

By harnessing the power of machine learning, remote sensing are empowered to make informed decisions, prioritize conservation actions and safeguard's planet natural heritage for the upcoming generations.

However, innovation, ethical considerations and interdisciplinary collaboration are paramount to realizing the full potential of AI in promoting environmental sustainability and biodiversity conservation.

AI in Agriculture: Empowering Farmers and Rural Communities

By Kanishka Masiwal
BA Economics 1st Year

In recent times, the agricultural sector has experienced a transformational shift with the integration of artificial intelligence (AI). This cutting-edge technology is revolutionizing farming practices, empowering farmers, and revitalizing rural communities. AI's potential in agriculture is vast, offering solutions to age-old challenges while enhancing productivity, sustainability, and profitability.

One of the key benefits of AI in agriculture is its ability to optimize resource management. AI-powered systems can analyze vast amounts of data, including weather patterns, soil quality, and crop health, to provide farmers with real-time insights. This enables them to make informed decisions regarding planting, irrigation, and fertilization, leading to increased crop yields and reduced resource waste.

AI is also revolutionizing pest and disease management in agriculture. By utilizing image recognition technology, AI can identify crop diseases and pests at an early stage, allowing farmers to take timely action to prevent the spread of the infestation. This not only minimizes crop losses but also reduces the reliance on harmful pesticides, promoting sustainable farming practices.

Moreover, AI is driving the development of precision agriculture, enabling farmers to customize their approach based on individual field conditions. By using drones and sensors, farmers can collect data on soil moisture, nutrient levels, and crop health with unparalleled accuracy. This information can then be used to optimize planting patterns, reduce water usage, and increase overall efficiency.

Beyond the farm, AI is empowering rural communities by providing access to information and market opportunities. Through mobile apps and online platforms, farmers can access real-time market prices, weather forecasts, and expert advice, helping them make informed decisions and improve their livelihoods.

Additionally, AI is fostering innovation in agriculture, leading to the development of new technologies and practices. From autonomous tractors to robotic harvesters, AI-driven innovations are reshaping the future of farming, making it more efficient, sustainable, and profitable.

However, to fully realize the potential of AI in agriculture, it is essential to address certain challenges. These include issues related to data privacy, connectivity, and the digital divide in rural areas. Governments, policymakers, and industry stakeholders must work together to overcome these challenges and ensure that the benefits of AI are accessible to all farmers.

In conclusion, AI is transforming agriculture, empowering farmers, and revitalizing rural communities. By harnessing the power of AI, we can create a more sustainable, efficient, and inclusive agrarian sector that meets the needs of today's farmers and future generations.

TEACHER'S REVIEW ON BA ECONOMICS (HONS.)

Economics graduates possess a strong analytical mindset and understanding of market dynamics, making them well-suited for entrepreneurship and innovation, driving economic growth and job creation through new ventures and startups.

~Dr. Praveen Arora

With expertise in international trade theory and policy, economics graduates facilitate global commerce by analyzing trade agreements, tariffs, and exchange rate mechanisms, contributing to economic growth and integration across borders.

~Dr. Jyotsna Oswal

The digital age presents exciting opportunities for economic analysis. By combining your economics knowledge with coding skills, you can develop innovative tools to analyze data, simulate economic scenarios, and design efficient market mechanisms. The future of economics is intertwined with technology, and you have the potential to be at the forefront

~Dr. Parminder Bajaj

Economics is not only a discourse of wealth and trade. It is the science of human welfare.

~Ms. Tanshi Ghai

B.A.(Hons) Economics help the students develop a logical attitude towards comprehending problems of an economic system and equipping them with the contemporary and essential skills set required to solve a problem by applying the principles of economics. This course aims to Train student in basic economic theory, Equip students with the mathematical and statistical techniques necessary for a proper understanding of the discipline And then use statistical and econometric methods to arrive at conclusions about the validity of economic theories.

~Mr. JP Singh

Economics isn't just about numbers; it's about the impact you make. Stay curious, stay inspired, and keep driving positive change in the world.

~Ms. Sheetal Ghera

Dear BA (Hons.) Economics students, as a mathematics faculty, I encourage you to utilize mathematical models to comprehend market dynamics and develop effective solutions, enhancing your understanding by unlocking the power of Mathematics in your Economics journey.

~Mr. Sunny Seth

Teaching English to this lively batch of Economics students was quite exciting. The prompt responses and inquisitiveness to know more made the journey memorable. Wish you luck in all your endeavours

~Dr. Shiwani Wadhwa

BA(Honours) Economics is a degree that equips students to deal with multidimensional issues whether in the field of finance, marketing, banking, business management and even managing our economy in the most efficient manner. The most top positions in any country are often undertaken by economists that shows importance of studying economics in the modern world where efficiency in allocating scarce resources is carrying utmost importance.

~Dr. Sachin Sabharwal

अर्थशास्त्र केवल संख्याओं के बारे में नहीं है; यह आपके द्वारा किये गये प्रभाव के बारे में है। अर्थशास्त्र हर किसी को प्रभावित करता है. यह सोचना गलत है कि केवल अर्थशास्त्रियों, वित्तीय पेशेवरों और राजनेताओं को ही अर्थशास्त्र के बारे में जानना चाहिए। समाज में एक व्यक्ति के रूप में, अर्थशास्त्र आपके व्यक्तिगत जीवन के साथ-साथ आपके पेशेवर करियर में भी भूमिका निभाएगा। जिज्ञासु बने रहें, प्रेरित रहें और दुनिया में सकारात्मक बदलाव लाते रहें।

~ Mr. Shailender Kumar

AI in Civic Engagement and Participatory Governance

By Vaibhav Nautiyal
BA Economics 2nd Year

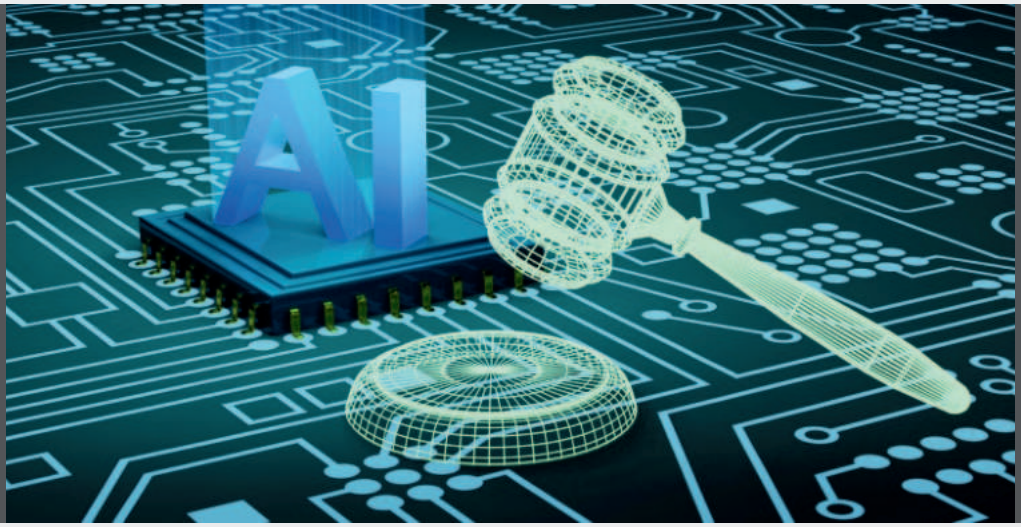
For centuries, the halls of democracy have echoed with the voices of citizens. However, with a global population exceeding 7.8 billion, the canvas of our society keeps expanding, demanding new tools to paint a truly inclusive picture. Artificial intelligence (AI) has emerged as a powerful tool, not to replace these voices but to empower them, ushering in a new era of citizen participation and participatory governance.

One of democracy's greatest challenges is ensuring all voices are heard. Traditional methods like town halls often attract a select few, with a Pew Research Center study showing only 16% of Americans regularly attend. Navigating complex legal documents can be daunting. AI-powered chatbots can bridge this gap. Imagine a 24/7 virtual assistant readily available to answer citizens' questions in their native language (a University of Helsinki survey found 74% of citizens prefer government services in their own language). These chatbots can translate information into simpler terms and even facilitate communication with designated officials.

Cities like Los Angeles are already using such "citizen service chatbots" to empower residents with real-time information access and promote accessibility.

But AI's potential goes far beyond information dissemination. By analysing vast amounts of publicly available data, AI can identify trends and concerns within society. Consider the 500 million daily tweets sent worldwide, along with social media discussions, polls, and public forums that influence policy. Real-time sentiment analysis equips policymakers with a nuanced understanding of public opinion, allowing them to tailor policies that directly address the needs of the people they serve. A recent example is Estonia's use of AI for policy analysis. By analysing public reactions to environmental regulations, Estonia could create more effective and well-supported policies.

AI can also play a revolutionary role in participatory governance. AI-powered public engagement platforms can host online forums where individuals can deliberate on policy proposals, identify areas of agreement and disagreement, and even propose amendments.



Imagine a platform that analyses these conversations, summarizes key arguments, identifies potential compromises, and even translates positions into different languages for a more inclusive discussion. This not only empowers the public to actively shape policy but also fosters a more collaborative and productive form of governance.

A McKinsey & Company report estimates that increased public engagement through digital platforms could lead to economic benefits of up to $1 trillion annually.

However, AI's potential is not without challenges. Biases in training data can lead to discriminatory outcomes. Additionally, overreliance on AI for decision-making can weaken the human element of governance. To navigate these challenges, transparency and human oversight are paramount. AI systems must be developed with fairness and inclusivity at their core, and their outputs should always be critically evaluated by human experts.

IThe future of AI in public participation and participatory governance is not about automation but augmentation. AI is a tool to empower citizens, inform policymakers, and ultimately strengthen the foundations of democracy. As we move forward, it is crucial to ensure responsible development and deployment of AI, fostering a future where technology serves the people and every voice can be heard within the grand chorus of democracy.

AI in Financial Literacy and Personal Finance Management

By Manya Dhingra
BA Economics 2nd Year

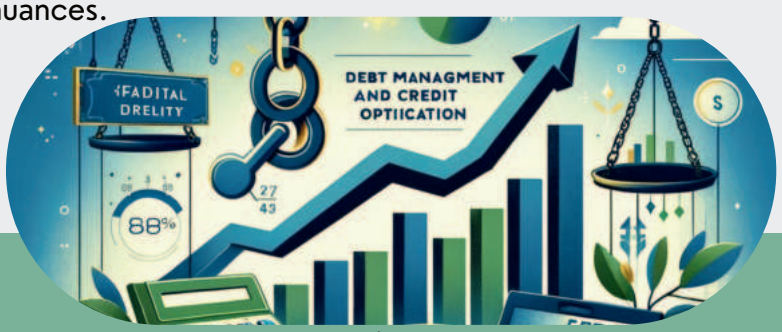
Artificial intelligence (AI) offers people formerly unheard chances to take charge of their financial future and is a ray of hope in the fields of financial literacy and personal finance. Imagine a user-friendly program that categorizes spending, tracks spending trends, and offers personalized advice to enhance financial habits. Powered by machine learning algorithms, these AI platforms analyze real-time transaction data to provide valuable insights. With AI, individuals can align spending choices with their financial objectives, be it boosting savings, cutting expenses, or reallocating funds for investments. This level of automation revolutionizes financial management, empowering users to efficiently achieve their goals and make informed choices. However, despite the enormous potential of artificial intelligence, it is necessary to acknowledge its limitations and areas where it might not be as effective. Artificial intelligence is great at analysing data and seeing patterns, but it isn't particularly adept at handling the subtleties of personal finance. Due to its subjectivity, personal finance is influenced by values, societal changes, and personal preferences. AI suggestions don't always account for these nuances.

- **Advantages of AI**

Streamlined Automation: With the help of artificial intelligence, tasks such as budget planning, expense tracking, and investment performance can be managed in a way that allows individuals to spend more time on matters that are not exclusively related to their financial lives.
Tailored recommendations: AI systems evaluate financial parameters, such as goals and risk tolerance, and provide tailored guidance. This is advantageous for people who don't have access to traditional counsellors or financial knowledge. Enhanced security, etc.

- **Disadvantages of AI**

Privacy issues: Access to personal financial data is frequently necessary for financial tools based on AI, and many people are worried about disclosing this information and about privacy violations.
Limited human interaction: AI is capable of assisting an individual with valuable knowledge and advice, but it does not have the capacity to express human emotions. AI may result in suboptimal financial decision making and missed opportunities.



Overreliance on technology: Artificial intelligence may inhibit the ability of a person to think critically and impede his delicate decision making skills, etc.

How Can AI Be Used to Improve Personal Finances the Most?

Preserve Human Oversight: You are more familiar with yourself! Artificial intelligence has the potential to expedite your job and offer valuable insights, but you still need human oversight to make sure financial decisions align with your objectives and situation.

Choose reliable AI-powered tools: Opt for financial tools and applications developed by respectable businesses with a solid track record of protecting user privacy and data security. Develop and promote financial literacy, etc.

To sum up, artificial intelligence has great potential for personal finance, providing effective and tailored advice. It is important to acknowledge its limits in terms of comprehending subjective financial details. Using AI excessively might result in poor judgments. The advantages of AI must be balanced with human monitoring to make sure that choices are based on each person's objectives and situation.

AI-Driven Healthcare Solutions for Underserved Communities

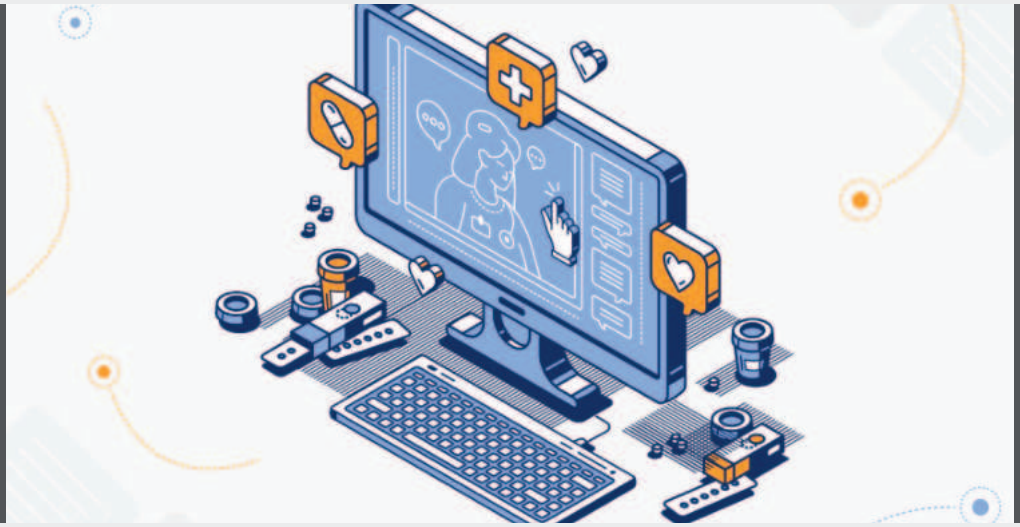
By Archika Garg
BA Economics 2nd Year

FIn the recent years, artificial intelligence, also known as AI, has become an important tool in the healthcare sector for providing innovative solutions to major challenges in this sector. AI-driven healthcare services can effectively improve healthcare for people who have limited or almost no access to doctors or hospitals, like unreserved communities. These services use smart technology to make healthcare more affordable and available to everyone.

One important way AI helps is through telemedicine. This means you can talk to a doctor through video calls instead of going to the clinic. This AI-driven solution is very helpful for people who live far away from hospitals or cannot access hospitals easily. With telemedicine, doctors can check on patients, prescribe them suitable medicine, and give advice—all without the need for a face-to-face or physical visit. The unreserved communities, mostly live in rural areas where healthcare services are scarce. For these people, it ensures that they get good care when needed, irrespective of their geographical location. AI also helps doctors diagnose illnesses faster and more accurately, as telemedicine is time-effective.

For example, AI can look at X-rays or MRIs to find any problem or illness faster than doctors. This helps the doctor to start patient treatment sooner, which can save the lives of many people. Not only is AI time-effective and easily accessible, but it also helps with things like, keeping track of patient medical records and reminding them to take their medicine on time.

Another way AI is making a difference is by predicting health issues before they happen. By looking at a person's medical history and lifestyle, AI can tell if someone is at risk of getting sick before the doctors can and can save or reduce the cost of treatment, as doctors can advise on how to stay healthy and prevent future problems. Also, it reduces the burden on service providers by scheduling appointments and improves the experience of patients by providing instant and immediate answers.



IHowever, there are some challenges to using AI in healthcare, as everyone is not aware of this technology. Some people might not know how to use this technology, or they might not have good internet access. It's also important to protect people's privacy when using AI for healthcare. This means making sure that personal information is kept safe and not shared without their permission.

In conclusion, AI-driven healthcare services have the potential to improve healthcare for underserved communities. By overcoming challenges like digital literacy and privacy concerns, we can make healthcare more accessible and better for everyone. Or, in short, it is making health care better for everyone, especially those who need it the most, and making it more equal and fair to all.

AI in Disaster Response and Humanitarian Aid

By Siddhi Mehta
BA Economics 2ndYear

Disasters are a serious problem, occurring all over the world over a period of time, causing widespread human, material, economic, or environmental loss that poses a problem of survival to the affected community or society, and they are unable to cope even with their own resources. In whatever form, disasters disrupt communities and can take a serious toll on people, property, economies, and the environment. And so, a systematic approach to manage the responsibilities of disaster prevention, preparedness, response, and recovery is very important. Actions should be taken directly before, during, or immediately after a disaster in order to save lives, ensure public safety, and meet the basic subsistence needs of the affected people.

As observed, the growing instability of our climate and the rising occurrence of natural as well as man-made disasters, the contribution of AI in disaster management is indispensable. In the face of escalating natural disasters, AI, with its ability to process vast amounts of data rapidly and accurately, is turning it from a traditionally reactive process to a proactive, data-driven approach.

AI has emerged as a crucial ally in disaster prevention, acting as a guardian that continuously observes a wide range of elements, including shifts in weather patterns and changes in geological formations, to anticipate various disasters. More than 160 million people a year are threatened by floods, hurricanes, and other natural disasters, and the situation will likely get worse in the coming future. Artificial intelligence has the potential to alleviate the damage by allocating relief resources more efficiently and effectively. It can accelerate the delivery of support and help to the victims. AI's capacity to analyze large volumes of data, identify trends, and generate forecasts has been used to predict a range of natural disasters, including hurricanes, wildfires, droughts, and many more.

AI ensures the implementation of proactive strategies, such as evacuating populations from areas predicted to be affected by hurricanes or strengthening infrastructure in earthquake-prone regions. A notable example of AI's application in disaster prevention is Google's flood forecasting system, currently operational in Bangladesh and India.

The real-time information allows disaster response teams to prioritize areas needing immediate attention and also helps in improving their efficiency and effectiveness. The system also aids in recovery and identifies areas at risk of future disasters. AI algorithms could instantly assess flooding, building, and road damage based on satellite images and weather forecasts, this allows rescuers to identify those still in danger and isolate them from escape routes. Once an advancing cyclone or hurricane is identified, previous disaster data could be used to predict how many people will be displaced from their homes and where they will likely move.

As another example, other organizations are using AI techniques to interpret social media feeds following disasters.

This type of analysis could provide vital on-the-scene information about infrastructure damage and aid being provided to victims. Yet even as many public sector organizations and private sector data players such as Mastercard, Microsoft, and Google contribute to the improvement of disaster relief, the impact of the efforts is still held back by several challenges. The opportunity for AI to help in the disaster resilience arena is vast– guiding relief efforts, ensuring better evacuations, and distributing aid that could help hundreds of millions of people per year. While there are challenges to overcome, with the right level of coordination and partnership, this brighter future could be a bit more within reach.

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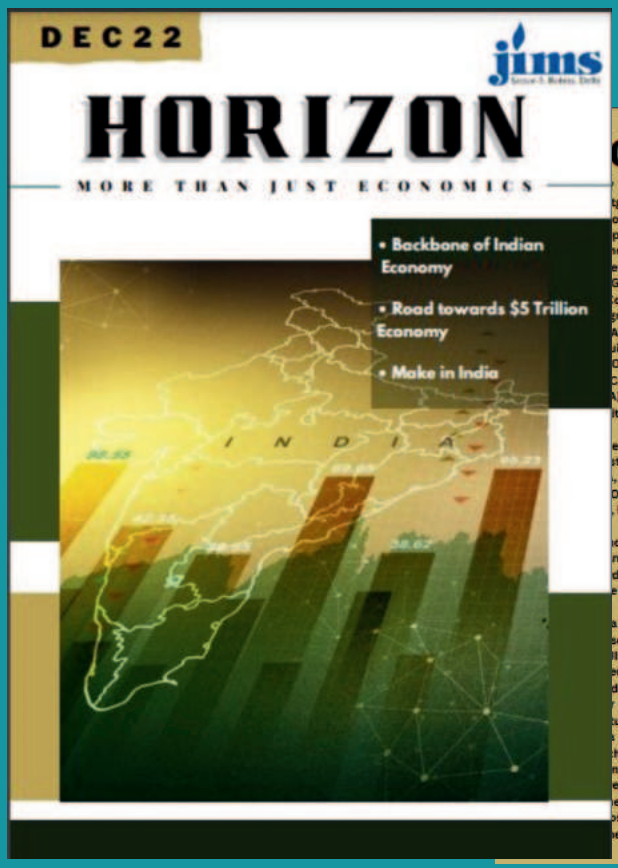
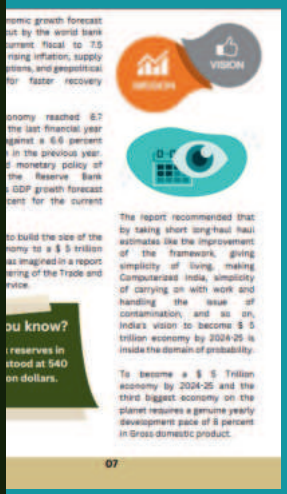
Issue no.2





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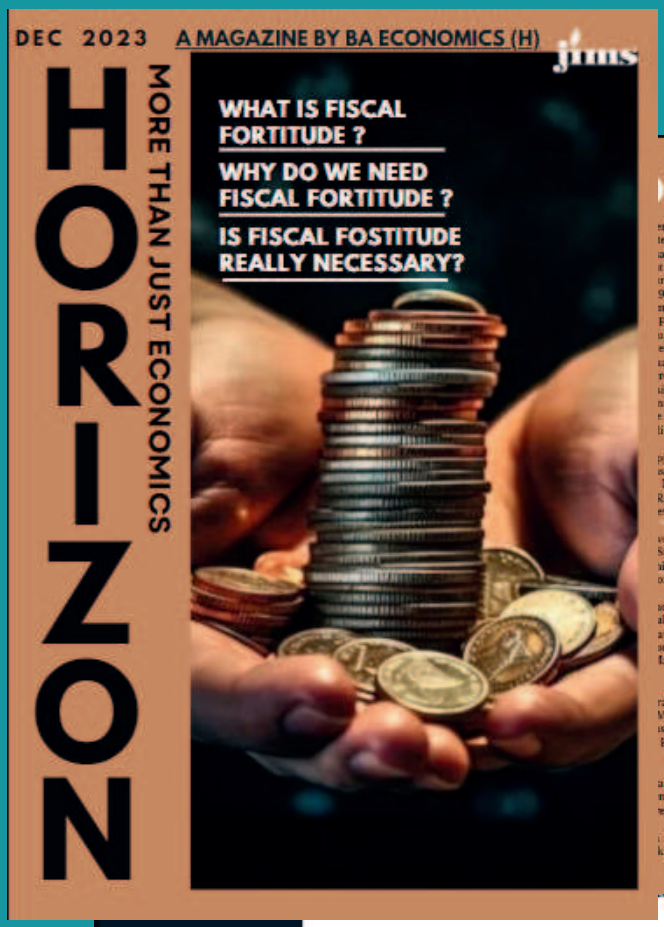

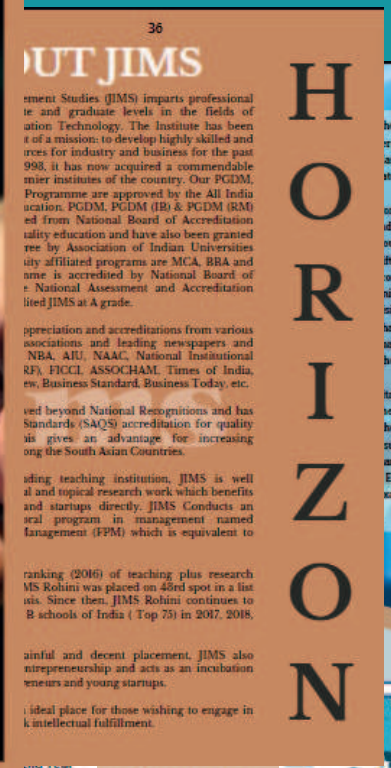

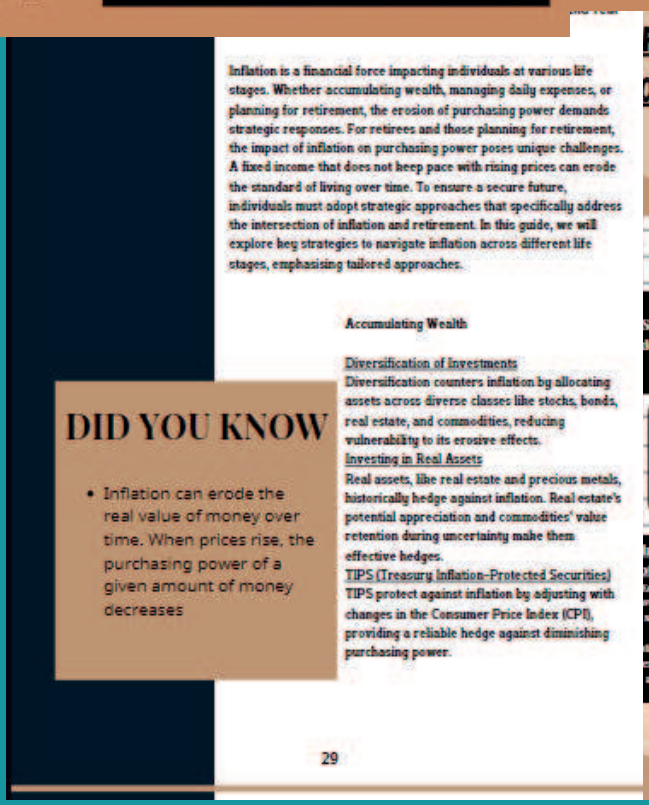

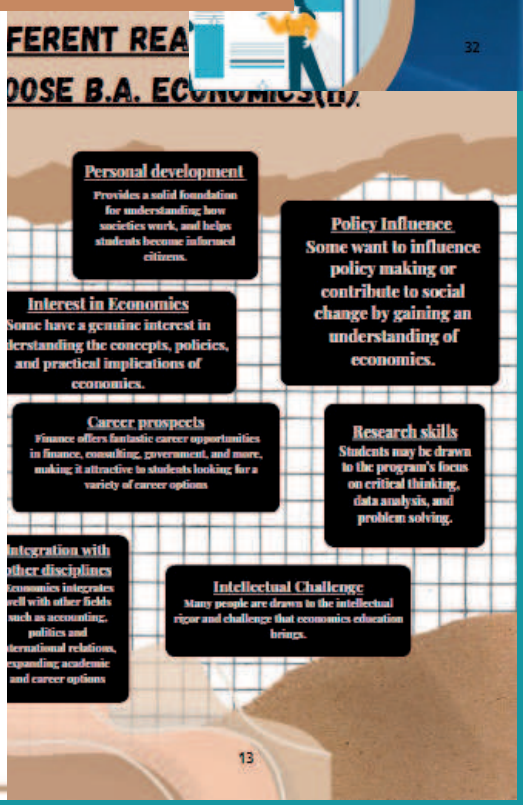

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ABOUT JIMS

HORIZON

Jagan Institute of Management Studies (JIMS) imparts professional education at postgraduate and graduate levels in the fields of Management and Information Technology. The Institute has been working for the attainment of a mission: to develop highly skilled and professional human resources for industry and business for the past 27 years. Established in 1993, it has now acquired a commendable position as one of the premier institutes of the country. Our PGDM, PGDM (IB), PGDM (RM) Programme are approved by the All India Council for Technical Education. PGDM, PGDM (IB) & PGDM (RM) Programmes are accredited from National Board of Accreditation (NBA) for excellence in quality education and have also been granted equivalence to MBA degree by Association of Indian Universities (AIU). Our GGSIP University affiliated programs are MCA, BBA and BCA. The MCA programme is accredited by National Board of Accreditation (NBA). The National Assessment and Accreditation council (NAAC) has accredited JIMS at A grade.

The institute has earned appreciation and accreditations from various Govt. Bodies, industry associations and leading newspapers and channels. These include NBA, AIU, NAAC, National Institutional Ranking Framework (NIRF), FICCI, ASSOCHAM, Times of India, Competition Success Review, Business Standard, Business Today, etc.

JIMS Rohini has now moved beyond National Recognitions and has got South Asian Quality Standards (SAQS) accreditation for quality assurance standards. This gives an advantage for increasing international visibility among the South Asian Countries.

Apart from being a leading teaching institution, JIMS is well recognised for its empirical and topical research work which benefits the industry, corporate and startups directly. JIMS Conducts an AICTE approved Doctoral program in management named Fellowship Program in Management (FPM) which is equivalent to Ph.D degree.

In the first ever NIRF ranking (2016) of teaching plus research management institutes, JIMS Rohini was placed on 43rd spot in a list of top 50 on all India basis. Since then, JIMS Rohini continues to remain in the list of elite B schools of India (Top 75) in 2017, 2018, 2019 and 2020.

Apart from providing gainful and decent placement, JIMS also encourages the spirit of entrepreneurship and acts as an incubation centre for aspiring entrepreneurs and young startups.

JIMS thus proves to be an ideal place for those wishing to engage in academic pursuits and seek intellectual fulfillment.