

इवनेखोप

Annual Magazine of Nopany Institute

Artificial
Intelligence:
Is it Real?



**NOPANY
INSTITUTE**
KOLKATA, INDIA

Vol- 18, 2023



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From the Desk of Chairman



I am delighted that the editors of “Sankalp” has chosen a theme that has captivated the human mind for centuries: Artificial Intelligence. As technological advancements have surged in recent years, the concept of AI has become more prevalent and has sparked countless debates about its reality.

Some argue that AI is nothing more than a product of science fiction and imagination. They claim that machines cannot possess true intelligence and the ability to think and make decisions like humans. On the other hand, proponents argue that AI is indeed real and is rapidly transforming our world. In today's digital age, we see AI applications all around us. From voice assistants like Siri and Alexa, to self-driving cars and advanced medical systems, AI is already a prominent part of our daily lives.

Like all technological advancements, this too has its share of concerns and challenges that need to be recognized by all of us. It is important to acknowledge that it still has limitations and cannot replace emotional intelligence, creativity, or consciousness and ensure ethical considerations and human values guide its applications.

This topic is also now under concentrated evaluation by our lawmakers and society in general. It is, therefore, not surprising that this topic is also popular amongst our future leaders at the Nopany Institutes of Management Studies and Healthcare Studies. I would encourage them to give this topic great thought as it will slowly become even more prominent in our daily lives sooner than later.

I would like to take this opportunity to extend my best wishes to the management, the faculty of and to all our students.

C S Nopany
Chairman
Nopany Group of Institutions (NGI)



NOPANY INSTITUTE

ABOUT

Nopany Institute is one of the premier educational groups in Eastern India. It consists of two Institutions:

1. Nopany Institute of Healthcare Studies (NIHS)
2. Nopany Institute of Management Studies (NIMS)

OUR HERITAGE

The establishment of the Nopany Institute (NI) in 2002, in West Bengal, added a new chapter to an illustrious heritage. The origin of the group was with the establishment of the Nopany Foundation in 1993 to provide job oriented quality education as per the standards of industry requirements and healthcare. At present, NI offers five courses in multiple specializations and is regarded as one of the best educational groups in Eastern India.

OUR OBJECTIVES

- To mould the minds of the young and create in them a desire to live in modern society as honorable and worthy citizens.
- To identify the requirements of the modern world and to implement educational programmes accordingly.
- To develop a passion for learning and academic excellence.
- To build a solid foundation for the future learning of the students.
- To ensure that students from all fields emerge with the ability to build themselves a promising future in their respective fields.

WHY SHOULD A STUDENT STUDY AT NI?

The NI has an illustrious heritage of more than a decade in imparting quality education. Nopany Institute of Management Studies (NIMS), Kolkata is one of the oldest colleges, affiliated to Maulana Abul Kalam Azad University of Technology, West Bengal (formerly known as West Bengal University of Technology) for conducting the 4-years full-time Bachelor Degree Courses in Business Administration, Computer Application and Hospital Management.

Nopany Institute of Healthcare Studies is the first private Physiotherapy College in Kolkata offering Bachelor in Physiotherapy (BPT) and Master of Physiotherapy (MPT) courses. It is recognised by the Department of Health and Family Welfare, Government of West Bengal and affiliated with the West Bengal University of Health Sciences.

VISION

- To build a conducive learning environment that promotes creativity and leadership.
- To maintain a continuous equilibrium of society, science, education and environment through the principles of Excellence, Efficiency and Ethics.
- To build linkage with corporate houses, universities, hospitals of repute, for broader perspectives and standards.
- To impart education and training through creation, utilization and dissemination of knowledge by focusing on the application of concepts in a diversified manner.

MISSION

- Commitment to the personal and professional development of individuals (staff members, students and faculty) throughout their entire career.
- Commitment to make University Education accessible and achievable to a wider section of society.
- Improvement and continuous upgradation of course curriculum characterized by significance, relevance, excellence and rigor to meet the growing needs of IT, business administration and healthcare sectors.
- Acquisition of state of the art skill and improvement of infrastructure, conducive to excellence in learning and character building.



NOPANY INSTITUTE OF HEALTHCARE STUDIES

(AFFILIATED TO THE WEST BENGAL UNIVERSITY OF HEALTH SCIENCES)

ABOUT NIHS:

NIHS has been founded with the mission to impart quality education to enable students to achieve their full potential. The ultimate goal of NIHS is to prepare Physiotherapists, who are good clinicians and have analytical skills, excellent team workers, lifelong learners and can practice as excellent therapists in a variety of healthcare delivery systems.

To meet its obligation in teaching research work, scholarly activities, the practice of service, NIHS has been studded with high quality professionally competent faculty, who are excellent teachers and legendary experts in their field.

Classes are conducted in A.C. classrooms with the latest training aids. Further, the institute has a well-stocked library, well-equipped physiology and anatomy laboratories and an extensive computer centre with internet connectivity.

NIHS has a modern in-house clinic with state of the art types of equipment. The clinic is highly frequented by patients for quality treatment and it serves as good quality learning for students. The curriculum promotes different extra-curricular activities like the celebration of World Physiotherapy Day, International Day of Persons with Disabilities, National and International Workshops and Seminars, English language classes, Soft Skills development and Computer classes to ensure all-round development of students.

West Bengal Minority Development and Finance Corporation (WBMDFC), OASIS, E-KALYAN, National Scholarship Portal (NSP), Swami Vivekananda Merit Cum Means Scholarship and West Bengal Student Credit Card Scheme recognise the courses and provide lavish scholarships and loan facilities to NIHS students.

ACADEMIC PROGRAMS:

Nopany Institute of Healthcare Studies, affiliated to the West Bengal University of Health Sciences, Kolkata (WBUHS), is one of the premier institutes of the country in the healthcare sector.

It conducts:

- Bachelor in Physiotherapy (BPT)- 4 1/2 years
- Masters of Physiotherapy (MPT)- 2 years
- ✓ Orthopaedics ✓ Neurology

OUR ASSOCIATIONS:

- AMRI Hospitals Ltd, Kolkata
- B.M. Birla Heart Research Centre
- Belle Vue Clinic
- Dr B C Roy Postgraduate Institute of Pediatric Sciences
- Calcutta National Medical College and Hospital
- ESI Hospital (Sealdah)
- Woodlands Multispecialty Hospital Limited
- Institute of Post Graduate Medical Education and Research (IPGME&R)

FOR FURTHER INFORMATION OR PROSPECTUS PLEASE CONTACT:

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GROWTH OF NIHS OVER THE YEARS



Year 2017

- NIHS faculty Dr. Anwesh Pradhan received Dr. M.G Mokashi award for the Best Teacher at International Physiocon 2017 held at Kanyakumari.
- NIHS faculty members along with Director Education Prof. Shabnam Agarwal participated in the 2nd Annual Conference of Society of Indian Physiotherapists Bangalore.
- NIHS became the Physio partner in the IDBI full marathon.
- NIHS collaborated with Special Olympics Bharat and conducted camps for special children as "Fit Feel" & "Fun Fitness".
- NIHS also started the "Happy Feet" project for children of different schools in Kolkata.
- NIHS organised 3rd International Conference of the Society of Indian Physiotherapists in NOVOTEL Kolkata.
- NIHS conducted free disability camps at the college campus, Mollarpur, Bishnupur and Pathuriaghata in collaboration with Rotary International.
- NIHS students recruited as Assistant Physio at ATK FC and Kolkata Police.

Year 2019-20

- Prof. Shabnam Agarwal, Director Education received 'Lifetime Achievement Award' in the field of Physiotherapy and Rehabilitation from the Vice-Chancellor of Janardan Rai University at the 3rd International Physiotherapy conference.
- Dr. Anwesh Pradhan (PT), Associate Professor, NIHS received 'Excellence in Physiotherapy Award' from the Vice-Chancellor of Janardan Rai University at the 3rd International Physiotherapy conference.
- NIHS organised a Physiotherapy camp at Sealdah Traffic Guard for traffic police personnels.
- NIHS celebrated International Day of Persons with Disability by conducting Free Physiotherapy Camp and various disability aids were distributed to needy disabled people.
- NIHS faculty members with Prof. Shabnam Agarwal, Director Education participated in the 4th Annual Conference of Society of Indian Physiotherapists, New Delhi.
- NSporte' provided on field Physiotherapy service to CCFC Rugby team and at Saturday Club, Inter-Club Carnival.
- Prof. Shabnam Agarwal, Director Education invited as speaker in the National Conference organised by Bangladesh Physical Therapy Association (BPA)

Year 2021

- NIHS conducted a Webinar on Covid-19 Rehabilitation for NIHS students and Alumni in the virtual medium.
- Prof. Shabnam Agarwal, Director Education invited as a Panelist in a Webinar on Overcoming
- Challenges in Clinical Physiotherapist Practice in times of Covid 19, organised by Central IAP.
- NIHS students prepared an educative short film - 'Do Something Drastic Cut out the Plastic'
- NIHS launched Post Covid-19 Rehabilitation Clinic and organised free online consultation for Long Covid patients to celebrate World Physiotherapy Day.
- Prof. Shabnam Agarwal, Director Education invited as a Guest Speaker in a radio live show Direct
- Dil Se with Jimmy Tangree on 91.9 Friends FM. 'Ek Zariya', NIHS Alumni Students Association took an initiative to support the people affected by the cyclone Yash in Sundarbans and distributed bags containing food items and essential commodities.
- Prof. Shabnam Agarwal received Devi Award in the 'Literary and Academic field organised by Bhartiya Bhasha Parisad and Sahitya Times.

Year 2023

- NIHS was awarded Best Physiotherapy Institute by Zee 24 Ghanta channel at ITC Sonar on 1st September 2023.
- NIHS faculty members were featured in CNN channel for their Career Spark programme.
- Faculty Members of NIHS attended a FDP on Data Analytics using Statistical Software and Programming Language from April - May 2023.
- Faculty Members of NIHS attended a FDP on Advanced Excel & Google Sheet Management in June 2023.
- NIHS successfully hosted its first Alumni Meet in February 2023.
- NIHS students won various prizes at the 17th IAP West Bengal Conference held in December 2023.
- Dr. Shabnam Agarwal, Director-Education, Senior Faculty Members of NIHS and the MPT Students, participated in the 7th annual conference of the Society of Indian Physiotherapists at Bhubaneswar.
- Happy Feet Camp conducted on 21st August 2023 at Nopany High School.
- NIHS organised a Sarcopenia Screening Camp and disability camp at Kulpi on 26th November 2023.
- A free Physiotherapy & Mobility Aid Distribution Camp was organised at Chandannagore on 29th January 2023.
- NSporte' - A Sport Physiotherapy venture of NIHS provided physiotherapy assistance to the India-Bangladesh Wheelchair Cricket Series, 2023, organised by the Differently-abled Cricket Council of India (DCCI).
- Mr. Viral Porecha, Asst Prof-NIHS was certified with Teaching English as a Foreign Language/ Teaching English as a Second Language (TEFL/ TESL), an online course pursued from University of London.



NOPANY INSTITUTE OF MANAGEMENT STUDIES

(AFFILIATED TO MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY)

About NIMS:

Nopany Institute of Management Studies (NIMS) is one of the leading Institutions of Eastern India. It imparts quality education in the field of management and information technology. The ultimate goal of NIMS is to prepare Business Executives and Entrepreneurs, who are imbued with analytical skills, excellent team spirit, and lifelong inquisitiveness and thus are able to contribute to the growth of the society at large.

Academic Programs:

• Bachelor in Business Administration (BBA)

Duration: 8 semesters in 4 years.

In today's dynamic & globalised world, both government and private firms lead a country's economic development. Therefore, it is necessary to hire qualified efficient professionals for decision making, who can generate wealth for the firm. This is the main reason we recommend studying and making a career in business administration.

As its name indicates, it refers to how to administrate or manage a firm, so that resources are gathered and used optimally to achieve the firm's objectives as well as profits. This professional course is closely related to Economics, Finance, Accounting, Human Resource and Marketing.

• Bachelor in Computer Application (BCA)

Duration: 8 semesters in 4 years.

The world today is sternly competitive and technology savvy. It requires technically efficient professionals. With the rapid growth of the IT industry, the demand of computer professionals is increasing every day. This rapid growth of the IT industry has created a sea of opportunities for computer graduates to work in the IT sector as programmers or software developers. BCA comprises of the subjects like database, networking, data structure, core programming languages like 'C' and 'Java'.

• Bachelor in Hospital Management (BHM)

Duration: 8 semesters in 4 years.

Healthcare is one of the fastest growing industries in the country, particularly in Eastern India. The hospital management courses prepares a student for the overall management of a hospital, to ensure its smooth functioning through maintenance of all its infrastructure and equipment, as well as coordination with various departments. The hospital administrator's function is to ensure highest quality care at lowest cost with the objective of ensuring patient satisfaction.

This course is a unique combination of multidisciplinary areas like Medical Terminology, Hospital & Health System, Hospital Operations Management, Medical record science, and epidemiology & Analysis of Health Information Data etc.

This course imparts training related to medical field and provides an opportunity to work in prestigious hospitals along with doctors and other healthcare providers. University will award the degree as BBA (Hospital Management).

For further information or prospectus please contact:

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Tel. +91-33-2533 2869, 8337062233, 7044175206

GROWTH OF NIMS OVER THE YEARS



Year 2023

- NIMS was awarded Excellence in Professional & Job Oriented Education by TV 9 on 31st May 2023.
- NIMS Principal and a faculty member were featured in CNN Channel for their Career Spark Programme

- Ms. Saroda Chatterjee presented a paper titled "Entrepreneurial Journeys of Digital Start-Up: Selected Cases of Kolkata" in a seminar titled 'Emerging Issues in Entrepreneurship Development', organised by the Department of Commerce of Banwarilal Bhalotia College, Asansol in collaboration with Department of Commerce, CU.

- Ms. Saroda Chatterjee presented a paper titled "A Study on Impact of Communication Strategy on Modern Hr Practices in Education Sector" organized by International Benevolent Research Foundation (IBRF), West Bengal and Confederation of Indian Universities (CIU), New Delhi.

- Mr. Anirban Ghosh and Ms. Sharmistha Chakraborty enrolled for Ph.D at IISWBM and Amity University respectively.

- Ms. Parmita Dhar conducted a three-month session on Business English for Young Professionals at American Centre, Kolkata.

- BBA and BHM students completed their internship and got placed at various companies of repute.

- BCA students completed their Industrial Training and Minor project at Euphoria GenX.

- BCA students along with the Coordinator Ms. Kaveri Banerjee participated in 'Bharat Block Chain Yatra' initiated IDS in collaboration with AICTE.

- Faculty Members of NIMS attended a FDP on Data Analytics using Statistical Software and Programming Language on April - May 2023.

- Faculty Members of NIMS attended a FDP on Advanced Excel & Google Sheet Management on June 2023.

Year 2021

- BBA students are placed in Amazon, Wipro, DeltaX, KGK Diamonds, Share Khan Ltd, Domino's, Bardhaman Fintech Private Limited, Malanto, TCS and many more.

- BCA students are placed in Tech Wishes Solutions LLP, Webfly Software, Reliance Nippon Life Insurance, and Hexaware Technologies.

- BHM students are placed in C I P A C A (Chennai Interventional Pulmonology and Critical Care Associates), Apollo Gleneagles Hospital (Apollo Home care), Medica Superspeciality Hospital, Bhagirathi Neotia Hospital, CMRI Hospital, Onequest Laboratory Ltd. Bhubaneswar and many more.

- Sanmarg e-paper published an article of written by Nitish Kumar Shaw of BBA 3rd Sem on Green Economy

- Ms. Saroda Chatterjee, Coordinator-BBA presented a paper titled "Training and Development Drift: A Study on two leading Insurance Companies in Kolkata" at ISDSI Global Conference 2021: Leading Business in a FLUID World held at IIM Nagpur and published it in the journal "The Journal of Oriental Research Madras".

- Ms. Saroda Chatterjee, Co-ordinator BBA, was awarded an MPhil from Makaut

- Ms. Kaveri Banerjee, Coordinator-BCA participated in workshops and training sessions like Microsoft Security, Compliance, and Identity Fundamentals, AWS Discovery.

Year 2019-20

- Students were offered multiple placement opportunities

- Job offered to students at TRUST CLUB Consulting Pvt. Ltd, Jio Campus Connect- Learn and Earn IDBI BANK, ESSAE, ICICI, SPASH, ARENA MULTIMEDIA

- On-campus interview held for placement facilities in Apollo Hospital, Bellevue Clinic, Mission of Mercy Hospital

- NIMS students pursuing higher studies at Symbiosis, XLRI, IMT(Ghaziabad), MDI

- NIMS students performed events like poster presentation on 'Green Earth', Pot Painting, Sports Marketing, Digital Marketing, Quotation Writing, Artificial Intelligence, and introduction of 'Hall of Fame'

- Ms. Saroda Chatterjee, Coordinator BBA, attended the Doctoral Colloquium at IIT Kharagpur and presented a paper on 'Training and Development'.

Year 2017

- Students achieved first position in Young India Talent Hunt programme.

- Students were selected in XLRI, IIM, Symbiosis, and FMS Delhi for pursuing higher studies.

- Students were given placement opportunities in AXIS Bank, ICICI, TCS, Apollo Hospitals, WIPRO, Infosys, Cognizant and many more.

- NIMS tied up with AMRI Hospitals for providing internship & placement facilities to its students.

- Constructed new auditorium.

RESEARCH & PUBLICATION PURSUITS



PUBLICATION LIST: 2023

NOPANY INSTITUTE OF HEALTHCARE STUDIES

- Dr Tapas Kr Pal (PT) published an article titled 'Prevalence of Cervicogenic Headache due to Prolong Smartphone use in College Students of Kolkata- A Survey Study' in *International Journal of Research and Analytical Reviews* (IJRAR).
- Dr. Tanusree Basak (PT), Dr. Tapas Kumar Pal (PT), Dr. Anwesh Pradhan (PT) published an article titled 'Detection of Flat Foot and its Correlation with Calcaneal Position in College Going Students in Kolkata- An Observational Study' in *International Journal of Research and Analytical Reviews* (IJRAR).
- Dr. Mainak Patra (PT) published an article titled 'Effect of Motor Relearning Program with Obstacle Walking on Dynamic Gait Performance and Functional Mobility in Subacute Stroke Subjects' in *Indian Journal of Physiotherapy & Occupational Therapy* (IJPOT).
- Dr. Anwesh Pradhan (PT) published an article titled 'Effects of Neurodynamics Versus Neurodynamic Sustained Natural Apophyseal Glide in Lumbosacral Radiculopathy' in *International Journal of Life Science and Pharma Research* (IJLPR).
- Mr. Viral Porecha published an article titled 'Exploration of Baahubali from the Lens of Indian Epics' in *Das Literarisch a bi* - annual peer reviewed and international refereed journal.



PUBLICATION LIST: 2023

NOPANY INSTITUTE OF MANAGEMENT STUDIES

- Ms. Keya Pan and Ms.Sukanya Beel published an article titled "An Observational Study to Access the International Patient Safety Goals in a Tertiary Care Hospital in India" in *International Journal of Multidisciplinary Educational Research* (IJMER) journal in July 2023.
- Ms. Parmita Dhar and Mr. Viral Porecha published an article titled "Unlocking the Healing Potential: Exploring the Imperative of Soft Skills in Physiotherapy Practice" in *International Journal for Multidisciplinary Research* (IJFMR)
- Ms. Kaveri Banerjee, Coordinator BCA published an article titled "Blockchain-Based Strategies for Electronic Health Records Management" in *International Journal of Multidisciplinary Educational Research* (IJMER)
- Ms. Rupsa Sen, Mr. Jyotirmoy Saha and Ms. Kaveri Banerjee published an article titled "Clarity of Knowledge Gap Between IoT and AoT- Professionals' Perspectives" in *International Journal for Multidisciplinary Research* (IJFMR)

From the Desk of Director



AI Enabled Writing Skills

A few years ago when one spoke about AI, it was with a great seal of awe. It seemed like a futuristic, ambitious concept. Possibly one that scientists or scholars would use and we, the lesser mortals would be the passive awe-struck onlookers.

But today, it's around us, accessible to us and we are using it in our day to day life. What concerns me, as an academician and researcher is that children from age 10 onwards (who are extremely competent with all computer skills thanks to COVID) use AI to complete projects. So, it is beyond doubt that those studying under-graduate and post-graduate programmes are using it as well.

So, if all of us rely on AI to gather information, assimilate data, write an assignment or article or thesis, where is the originality? Are we all using the same information? Are we using vocabulary beyond our abilities? Are we writing with skills which we are incapable of? AI is generated by the human brain (possibly some) and the vast majority will use it without using theirs (possibly). So, if I submit my thesis or research article written beautifully and structured well by AI, is that plagiarism? Is it un-original? Is it really my own? This is like taking credit for a beautifully decorated cake done by a machine / AI (one day this too will happen) when all I did was buy the raw products. On the flip side, it may be argued that I have the knowledge but do not have writing skills especially in a language which is not my mother tongue. So, why do I need to work on language skills when I can use AI and concentrate on improving or working on skills which are more relevant in my profession.

I am not against AI. It's extremely useful in some ways. My concern is its effect on human emotion. Effort and perseverance are important traits which have led to the development and advancement of the human race. The satisfaction of writing well, using the correct words in the right context in a sentence is akin to making a beautiful drawing. The beauty of creating a beautiful design without copying or taking help gives rise to a deep sense of inner satisfaction. These moments of pride and satisfaction, the perseverance that goes into making something perfect are linked into making / developing characteristics and personalities of individuals.

Well. Que sera sera.... The future is not for us to see (although, I guess AI will disagree). I hope the human race develops and uses this technology for its advancement and not self-decline.

A handwritten signature in blue ink, appearing to read 'Shabnam Agarwal'.

Dr. Shabnam Agarwal, PhD
Director- Education, NI

From the Desk of Principal



Artificial Intelligence (AI): Boon or Bane

The period: 1940 – 1960 was considered as the birth of Artificial Intelligence (AI) in the era of cybernetics. The conjunction of the functioning of machines with organic beings was the prime focus of technological development by a group of scientists.

Artificial Intelligence (AI) is a science that enables a machine to think like a human being. It trains a machine to perform a certain task. This is the reason why it is also considered a part of machine learning. It combines mathematical logic, computer science, statistics, and computational neurology to emulate human cognitive abilities. AI technology trains a machine in such a way that it can recognize patterns, make decisions, and judge like human beings.

In today's digital age, Artificial Intelligence is one of the best inventions of the 21st century. It is considered as the future in this digital era. Its multitasking ability makes it a boon to the society. It saves time in big data analysis and provides analytical results which helps in strategic decision making. That is why it has become a prime concern to policymakers in every sphere of society throughout the world. On the other side, saving time and reducing the involvement of human beings, creates an unemployment problem in the economy. Then, it is a bane to the entire human society.

AI is a boon when it helps scientists, doctors, researchers, and any kind of strategy makers to accomplish their tasks in less time; and it is a bane to society when AI is used for weaponization/creation of autonomous weapons which has harmful effects upon society.

Ultimately, Artificial Intelligence (AI) can be good or bad depending on how we use it. A knife can be used for cutting vegetables for preparing delicious food by a cook, and the same can be used by a murderer for causing harm to society. Hence, the application of Artificial Intelligence (AI) is dependent upon how we use it.

There is no way out to escape it. Artificial Intelligence (AI) is the ultimate solution for survival in this competitive and challenging economy.

Hence, the idea of 'Artificial Intelligence' as the theme for this issue of the Sankalp is very much relevant in today's digital world.

Prof. Subir Ghosh
Principal, NIMS

From the Desk of Administrative Officer



Machines Cannot Have Sense of the Past, The Present and The Future

Artificial intelligence (AI) is often portrayed as something similar to human intelligence, capable of adapting and making decisions independently. In reality AI is simply a tool that humans have programmed and cannot operate outside of the parameters set for it.

What we call "artificial intelligence" today is neither artificial nor intelligent. Rules and programs heavily dominated the early AI systems, so some talk of "artificiality" was at least justified. But those of today, including everyone's favourite, chat GPT, draw their strength from the work of real humans: artists, musicians, programmers and writers whose creative and professional output is now appropriated in the name of saving civilization. At best, it is non-artificial intelligence.

As per the "intelligence" part, the Cold War imperatives that funded much of early work in AI left a heavy imprint on how we understand it. We are talking about the intelligence that would be useful in a battle. For example, modern AI's strength lies in pattern-matching. It's hardly surprising given that one of the first military uses of neural-network the technology behind chat GPT was to spot ships in aerial photographs.

However, many critics have pointed out intelligence is not just pattern matching. Equally important is the ability to draw generalizations. Emotion overrides the belief and seemingly irrational classifications of ideas and everyday objects when we generalize. It suspends the usual early mechanic of pattern-matching operation, not what you want to do in the middle of the war. Human intelligence is not one-dimensional. It rests on what the 20th-century Chilean Psychoanalyst Ignacio Matte Blanco called bi-logic (Bi-Logic explains how we regroup mundane in novel and insightful), a fusion of the static and timeless logic of formal reassuring and the contextual and highly dynamic logic of emotion. The former searches for emotion, and the latter quickly erases them.

At their heart, AI is a mathematical tool, albeit too complex for humans to explain. This, therefore, leads to the conclusion that anything that can be measured in terms of numbers can be solved by AI models. Thus, humans may not be required for those so-called left-brain functions. This disruption calls for a massive re-skilling of the human population. Humans should focus on developing and utilizing right-brain skills such as critical thinking, creativity, emotional intelligence and empathy. These skills are difficult for AI to replicate and will become increasingly valuable in future work. The focus should be on developing skills that complement AI and involve human interaction, such as customer service and healthcare.

Congratulations to the editorial team for presenting this interesting topic for this year's Sankalp edition. I believe Artificial Intelligence is the need of the hour, and we all use it in every aspect of life.

A handwritten signature in black ink, appearing to read 'Anupam Das'.

Mr. Anupam Das
Administrative Officer, NI

From the Desk of Editor



Artificial Intelligence (AI) is a conundrum that bewilders people and serves as a beacon of innovation in the rapidly changing field of technology. AI has been heralded as the dawn of a new era with its promises of revolutionizing industries, streamlining jobs, and deciphering the complexity of our environment. However, there is a digital mystery hidden underneath the opulence that leaves us feeling both amazed and confused.

Think of artificial intelligence (AI) as the wizard behind the curtain of technology, enthralling us with its seemingly miraculous powers. It amazes us by anticipating our tastes, creating tailored suggestions, and identifying patterns quicker than we can blink. It's the friend who makes recommendations for films and music as though it were looking into the depths of your soul is the one who seems to know you better than you do.

Despite these marvels, AI has its fair share of 'oops' moments. It's like the friend who confidently attempts a DIY project but ends up with a hammer stuck to their forehead. It can struggle with the simplest tasks, mistaking a cat for a dog in an image or recommending a product you've just bought. It's the digital wizkid that occasionally trips over its own shoelaces.

The stark truth of AI's limitations frequently contrasts with the attraction of its brilliance. Even while it promises sophisticated neural networks and algorithms, there are moments when it seems like you're watching a cosmic roulette game. Will it interpret your command correctly or give you a Wikipedia item that has nothing to do with it?

So, in its all-knowing wonder, how real is AI? It's the technical marvel that, while astounding us with its feats, leaves us perplexed because it can't seem to comprehend the fundamentals.

AI is still, in the end, a fascinating mystery—a technological marvel that vacillates between genius and missteps. We're rooting for our friend to succeed as they make their way through life, knowing that they will eventually find their way.

Parmita Dhar

Assistant Professor
Editor: SANKALP 2023

From the Desk of Associate Editor



“It is not the strongest of the species that survives, not the most intelligent that survives. It is the one that is the most adaptable to change.”- Charles Darwin

Welcome to the latest edition of our college magazine, SANKALP 2023. This time, we delve into the realm of Artificial Intelligence, an area that is shaping not only our academic landscape but the future of our world. In this editorial, we explore the theme of AI and its profound impact on our lives, our education, and our society as a whole.

As impressive as AI seems to us, it is undeniable how it has become an integral part of our lives. With the digitalization of the globe, AI has gained immense prominence. From self-driving cars, AI teachers and virtual personal assistants to healthcare diagnostics and financial algorithms, AI has impeccably woven itself into the fabric of our daily lives.

One of the most effective and impactful spheres where AI has proven itself to be a game-changer is in the context of education. It personalizes learning experiences, adapts to individual needs, and enhances the process of knowledge acquisition. Students now have the opportunity to fully utilize AI-driven platforms that cater to their unique learning styles, making education more engaging, more effective and more channelized.

Any kind of a magnanimous revolution cannot stand alone without offering an exciting challenge to its users. One of the most invigorating aspects of AI is its potential to drive innovation. As future leaders, we have the opportunity to harness the power of AI to solve real-world problems. AI-driven research and projects contribute to advancements in healthcare, sustainability, and beyond. AI is not just a technological advancement but it is a very productive tool for increasing our efficiency and in turn, making a better place.

Amidst this obsession with AI, there is also a need for striking a balance. Being excessively dependent on AI is prone to mechanize the humans. As we embrace AI, let us not forget the value of human connection, creativity, and empathy. The skills we cultivate through AI should enhance and not replace, human connections and humanity. We must nurture the curiosity, critical thinking, and emotional and real intelligence that AI cannot replicate.

Our college magazine is a testament to the fusion of human creativity and technological advancement. The stories, art, and ideas within these pages are a reflection of our journey through the digital frontier and the thoughts of our dear students as well as our esteemed faculty members that have been beautifully and artistically written and depicted.

As we navigate the AI revolution, we do so with the knowledge that it has the potential to shape a future that is both extraordinary and deeply human. We are adventurous and delighted to face the challenges offered by AI such that we can evolve, adapt and grab a plethora of opportunities it brings our way.

Viral Porecha

Viral Porecha

Assistant Professor

Associate Editor: SANKALP 2023

From the Desk of Designer



Utilizing AI as a Designing Tool: Transforming Creative Processes

Artificial Intelligence (AI) has emerged as a transformative force in the realm of design, revolutionizing the way creative professionals work and enhancing their capabilities. AI is increasingly used as a designing tool across various fields, from graphic design and architecture to fashion and product design. This innovative integration of AI into the design process is driven by its ability to automate tasks, augment human creativity, and provide data-driven insights.

Artificial Intelligence (AI) is employed as a versatile designing tool in numerous domains. Generative design algorithms, powered by AI, excel at creating multiple design options by considering user-defined parameters, offering invaluable assistance in fields like architecture and automotive design. AI-driven software streamlines drafting and 3D modeling processes, enhancing efficiency and design optimization. In graphic design, AI tools aid in producing visually captivating marketing materials with layout, color, and typography suggestions, boosting design quality and saving time. For web and UI/UX design, AI automates tasks like code generation and layout optimization, resulting in user-friendly interfaces. In fashion design, AI analyzes trends and customer data, aiding designers in creating collections that resonate with the market. Additionally, AI contributes to sustainable architecture, content generation, virtual and augmented reality experiences, and even fosters artistic creativity and inspiration. AI's integration enriches the design process across various industries, demonstrating its vast potential as a creative partner.

As AI continues to advance, its role as a designing tool will only grow. However, it's important to note that AI is not replacing human creativity and design expertise; rather, it complements and augments the work of designers, allowing them to focus on higher-level creative thinking while AI handles repetitive tasks and provides data-driven insights. This fusion of human creativity and AI-driven design tools promises to bring about innovative and efficient design solutions across various industries.

A handwritten signature in black ink that reads "Joheb Chowdhury".

Joheb Chowdhury

UI/UX Designer, Technical Assistant
& Digital Marketing Coordinator-NIHS

Student Editors' Voice (NIHS)



Rajlaxmi Saha
4th Year - BPT



Pijusha Sarkar
4th Year - BPT

In the realm of technology, Artificial Intelligence (AI) is making strides, aiming to replicate human intelligence in tasks such as learning, reasoning, and decision-making. In healthcare, AI's impact is palpable, from enhancing diagnostics to predictive analytics and robot-assisted surgery.

However, this wave of progress is not without its challenges. The risk of overreliance on AI diminishing the human touch in healthcare, ethical concerns around privacy and data security, the high cost of implementation, and potential job displacement are shadows looming over its advancements.

As we tread this path, it's crucial to strike a balance. The benefits of AI in healthcare are undeniable, but ethical considerations and practical challenges must be addressed. In this delicate dance between innovation and compassion, responsible AI integration promises a future where healing is not just an art but an intelligent science.

Student Editors' Voice (NIMS)



Rashmi Das
3rd Semester - BCA



Manvi Bhagat
3rd Semester - BBA



Debaroti Lahiri
3rd Semester - BBA(HM)

As the student editors of Sankalp, we are honoured to extend our heartfelt gratitude to the amazing individuals who have made this publication possible.

A sincere thank you to the talented writers, photographers, and artists who have poured their creativity into the pages of this magazine. Their unique perspectives and hard work have brought diversity and richness to our content.

We would like to express our appreciation to our dedicated faculty advisors for their guidance, support, and encouragement. Their expertise has been invaluable in shaping the direction of this magazine and mentoring us through the editorial process.

This magazine is a product of the collective efforts of an incredible team, and we are proud to have worked alongside.

Thank you for making Sankalp Magazine 2023 a success!



INTERNAL QUALITY ASSURANCE CELL (IQAC)

2023

Nopany Institute of Healthcare Studies

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INTERNAL QUALITY ASSURANCE CELL (IQAC) 2023

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IQAC - NIHS COMMITEE MEMBERS



IQAC - NIMS COMMITEE MEMBERS



A Discourse with the Proleptic Youth



An Interview with KANISHK SARAOGI (Social Entrepreneur & Meditation Coach)

Manavi Bhagat (MB) & Shubham Mukherjee (SM): Could you tell us something about your growing up years?

Kanishk Saraogi (KS): I grew up very simply, just like any other child of my age. I completed my schooling at Don Bosco School and went to St. Xavier's College. After completing my 1st year, I went to Turkey as a volunteer with an International Organization known as AIESC to teach English for 6 weeks. What happened then was very interesting. My visa got canceled seven times as my Principal was not allowing me to take leave for so long. I somehow convinced him and I got the letter of no objection, but when I reached there I was already 2 weeks late for the project so I was not allowed to participate in the project. It was a very confusing scene, I was only 18 years old, foreign land (laughs) they didn't know English and I can't speak Turkish but then there were a few Muslim people both from India and Pakistan. They welcomed me, and gave me a place to stay until I found a new project. This experience helped me to come out of a lot of my stereotypes, rigidity and thought patterns. When I saw someone unknown to me, from a different religion and cultural background taking care of me; that brought a spirit of helping others inside me and the willingness to work for the society. And after coming back from the trip, I started working for people.

(MB) & (SM): Sir, our next question is what were your areas of interest, other than studies?

(KS): (laughs) I didn't feel a strong connection to my studies initially, and it was a common topic of discussion at home. As an only child, I wasn't naturally inclined toward academics, but I managed to perform well when I put in the effort. Interestingly, despite my initial disinterest, I excelled academically and pursued CFA alongside college. However, after a trip to Turkey, I developed an interest in social activities, engaging in social work, and participating in NGO activities. This experience also heightened my environmental awareness. Vipassana Meditation helped me immensely that I would also recommend to the students.

A Discourse with the Proleptic Youth

(MB) & (SM): Generally, after graduation in commerce people tend to pursue an MCom or MBA but you pursued MSC in Social Entrepreneurship. What motivated you to do so?

(KS): (smiles) Very interesting question!! I was pursuing B.Com alongside CFA, which was a more conventional path. I advocate for self-reflection and journaling to identify personal interests. I faced this challenge until I found clarity through two main pursuits: my studies and involvement with the NGO "We Are One".

During a volunteering session at Mother Teresa in Park Street, I met an uncle engaged in Social Entrepreneurship. He pointed out that I was at the intersection of Finance and Social Good, which he termed as 'Social Entrepreneurship'—a concept I heard for the first time and found intriguing. I delved into researching this field. Encouraged by the alignment of my interests and went to UK for my Master's.

(MB) & (SM): Sir, then what was your basic learning from the course?

(KS): While traditional businesses often focus solely on profit as the bottom line, a Social Enterprise adheres to the triple bottom line – PEOPLE, PLANET, & PROFIT. For me, it's not just about measuring financial gains; it's about assessing the impact on people and the planet. Essentially, it's about practicing "SEVA" or selfless service. This insight from my course emphasized how NGOs can market themselves and effectively scale their impact.

(MB) & (SM): Besides, you have also volunteered for, the "Rally to River" project can you please tell us something about it?

(KS): (Smiles) Certainly! An intriguing phase of my life was spent at the Isha Foundation in Sadhguru's ashram in Tamil Nadu, where I worked on the "Rally for Rivers" project. We delved into the issue of rivers drying up in India, attributing it to the lack of trees. Our research led us to initiate the 'Kaveri Calling' project, focusing on planting trees along the Kaveri River. The findings were compiled in a document presented to Prime Minister Narendra Modi in 2019 and subsequently adopted as an advisory for all 28 states in India.

(MB) & (SM): What kind of work does your NGO 'WE ARE ONE' do?

(KS): 'WE ARE ONE' currently centers its efforts on tree plantation drives. Our unique model targets private lands in West Bengal, involving collaboration with landowners to plant trees and fruit trees. "WE ARE ONE" actively seeks more private lands for future initiatives. Additionally, "WE ARE ONE" extends its impact by organizing free meditation workshops for underprivileged children from other NGOs, focusing on overall well-being.

A Discourse with the Proleptic Youth

(MB) & (SM): You are also a motivational speaker and a meditation trainer, how do you engage in such sessions?

(KS): We start with breath work, recognizing its accessibility compared to controlling the mind, especially for young people. Breath-based meditation involves focused breathing to break the momentum of thoughts, redirecting attention and gradually increasing focus. I encourage everyone, especially those in our age group, to try breath-based meditation—an accessible and effective technique that doesn't require religious inclination.

(MB) & (SM): Would you explain the concept of visualization and spirituality for the masses? How could we engender spirituality in the youth?

(KS): Let's demystify spirituality, moving away from exaggerated concepts. I believe spirituality lies in practical aspects, like Pranayam. Instead of delving into abstract concepts, I stress practicality. Start with breath meditation. Sit comfortably, and focus on deep breaths—simple and easy to incorporate into your routine. It's a meaningful and accessible starting point for your spiritual journey.

(MB) & (SM): Could you enlist five easy meditating tips for a beginner?

(KS): Find a comfortable sitting position, ensuring your spine is straight for focused inward attention. Then, shift your focus to your breath, observing the inhalation and exhalation to anchor yourself in the present moment. Then gently close your eyes to create a sacred space for your practice, disconnecting from external stimuli. Thereafter, take a few deep breaths to oxygenate your body, promoting relaxation. Ensure to extend your meditation to 7-8 minutes, striking a balance for beginners and gradually increasing with familiarity. Lastly, direct your focus to the point between your eyebrows, enhancing concentration and inner vision.

(MB) & (SM): Could you advise us about how to take care of our health on a regular basis?

(KS): Let's explore daily health maintenance focusing on three key aspects: food, sleep, and breath. Managing health through proper nutrition is understanding the psychology behind food choices and opting for natural, unprocessed, and life-rich food contributes to overall well-being.

(MB) & (SM): Thank you for giving your wonderful insights. It was a pleasure interacting with you and gaining knowledge about so many things that we usually take for granted.

(KS): Thank you. I enjoyed it thoroughly. Have a good day!

Interviewed by:

Manavi Bhagat, 3rd Semester - BBA

Shubham Mukherjee, 5th Semester - BBA

Facultys' Voice-NIHS

THE INTERSECTION OF ARTIFICIAL INTELLIGENCE AND HEALTHCARE IN THE 21ST CENTURY



Artificial intelligence (AI) refers to the utilization of technology and machines to perform tasks in place of humans, engaging in functions that were traditionally thought to require human reasoning and problem-solving abilities. While this serves as a fundamental definition, recent advancements in the field indicate that AI is not just a novel concept but an evolving discipline. It is now perceived as a potential solution to address critical health challenges, particularly in meeting the healthcare needs of an aging population. Notably, major technology companies like Google, Microsoft, and IBM are heavily investing in AI research and development for the future of healthcare.

AI transforms healthcare by automating tasks like data entry and claims processing, allowing providers to focus on patient care; reducing errors and expediting processes, AI enhances workflow flexibility, ensuring improved efficiency and quality care. AI has the potential to revolutionize planning and aid allocation in health and social care services. It can match patients with healthcare providers and design personalized care plans based on allocated care budgets. Current applications in hospitals, such as the Alder Hey Children's Hospital in Liverpool collaborating with IBM Watson to create a 'cognitive hospital,' showcase how AI enhances patient experience and satisfaction.

In the medical research community, AI is gradually gaining traction. Its ability to analyze vast and complex datasets faster and more accurately than humans makes it a valuable tool. The Institute of Cancer Research's use of AI to predict cancer drug targets through the canSAR database exemplifies its potential to integrate patient genetic and clinical data with information from clinical research.

AI's impact extends to diagnosing and treating diseases, with significant potential in fields such as medical imaging, echocardiography, screening for neurological conditions, and surgery. AI plays a crucial role in detecting, isolating, and aiding in the eradication of infectious diseases and epidemics on a global scale. However, AI is only as effective as the quality of the data it is trained with, and inconsistencies in data availability may hinder the learning process. Challenges also arise from the significant computing power required for the analysis of large and complex datasets. Additionally, human attributes like compassion and nuanced understanding, essential in medical practice, are beyond the capabilities of AI.

To fully harness the benefits of AI, individuals must have a profound understanding of the fields in which AI is employed. AI should serve to simplify work, enhance convenience, and improve organization, rather than foster dependence. Technology is meant to be a tool for convenience, not a source of enslavement.

Dr. Gargi Ray Chaudhuri
Associate Professor, NIHS

Facultys' Voice-NIHS

RACE



Silently, he then went to school
Spoke not a word the whole day
Tired, perhaps. We don't know.

Upon returning, ate food and rushed
Towards the tuition. At five came he
To eat snacks. Tick tick tick
The clock spoke but the child was silent.

Hurriedly he headed towards
The swimming class. Exhausted and
fatigued.

No, he wasn't refreshed today.
Returned home in the car at seven.

Tick tick tick spoke the clock.
Sat to finish the school homework but
Tuition homework was left incomplete.
At nine he ate his dinner.

When mother arrived from office
She asked her son, "What was your class
rank?"

Tick Tock Tick spoke the clock.
The child was silent with a long face.

He called his father at ten
To ask about his return
But the busy father
Disconnected the child's call.

He then hugged his mother tight
And smiled with a droplet
Pouring from his eyes.
Tick tick tick. "Time to sleep. See ya", she
said.

The silent child spoke next morning!
His room was silent, quietude engulfed
His pale lips.

Tick, Tock, Tick
The busy mother and the busy father
Now were freely bound forever.
Out were their son's words,
"My rank is first among three of us
And I have strived for it alone."

He was found sleeping peacefully
Below the wall clock that said
Tick Tock Tick.

Viral Porecha

Assistant Professor, NIHS

Facultys' Voice-NIMS

THE PROSPECTS OF ARTIFICIAL INTELLIGENCE IN THE HEALTHCARE SECTOR



Abstract

The growing complexity and volume of healthcare data are driving the integration of artificial intelligence (AI) into the healthcare industry. Payers, providers, and life sciences companies are already harnessing various forms of AI. The primary domains of AI application encompass diagnosis and treatment recommendations, patient involvement and adherence, and administrative tasks. Despite numerous instances where AI can outperform humans in healthcare functions, widespread automation of healthcare professional roles is impeded by implementation challenges, making it a gradual process. Additionally, ethical concerns surrounding the adoption of AI in healthcare are under scrutiny and discussion.

Introduction

Artificial intelligence (AI) and its associated technologies are increasingly becoming a prominent presence in the business world and society at large. Their integration into healthcare is just beginning, holding immense promise for transforming various facets of patient care and streamlining administrative procedures in provider, payer, and pharmaceutical organizations. Research studies are already indicating that AI has the potential to match or even surpass human performance in crucial healthcare tasks, such as disease diagnosis. Presently, algorithms are surpassing radiologists in detecting malignant tumors and assisting researchers in forming patient cohorts for expensive clinical trials. Nonetheless, we anticipate that, for a range of reasons, it will be many years before AI fully replaces humans across a broad spectrum of medical processes. In this article, we will explore both the potential for AI to automate aspects of healthcare and the obstacles hindering the rapid implementation of AI in the healthcare sector.

Classification of AI significantly Applicable to Healthcare

Artificial Intelligence (AI) encompasses various subfields and types, several of which are particularly relevant to healthcare due to their potential to transform the industry. AI is not a solitary technology; it encompasses a range of technologies (as depicted in Figure 1) with the potential to bring about significant advancements in the healthcare sector. Here are some key types of AI that are pertinent to healthcare:

• Machine Learning (ML)

Machine learning represents a statistical method for creating models from data and gaining knowledge through the training of these models using data. It stands as one of the most prevalent facets of artificial intelligence (AI). According to a Deloitte survey from 2018, encompassing 1,100 US managers whose organizations were actively exploring AI, 63% of the surveyed companies were integrating machine learning into their operations. It is a versatile technique that forms the foundation of numerous AI methodologies, and it exists in various iterations.

Facultys' Voice-NIMS

In healthcare, traditional machine learning is widely used for precision medicine, which involves predicting the effectiveness of treatment protocols for patients based on their characteristics and treatment context. This relies on supervised learning with labeled datasets where outcomes are known [5].

Neural networks, available since the 1960s, are established in healthcare research and are used for tasks like disease categorization by assessing the likelihood of disease development. They operate by considering inputs, outputs, and feature weights, though their resemblance to the human brain's functioning is limited.

Deep learning represents a more intricate iteration of machine learning, involves neural network models with multiple layers of features that can reveal thousands of hidden patterns. It's applied in healthcare for tasks like recognizing cancerous lesions in radiology images and radiomics, which identifies clinically significant features beyond human perception. These applications are prominent in oncology-focused image analysis, offering enhanced diagnostic accuracy compared to previous computer-aided detection (CAD) tools. Deep learning is also used in speech recognition, a subset of natural language processing (NLP).

However, a drawback of deep learning is the lack of meaningful interpretation of individual features within models, making it challenging and sometimes impossible to explain their outcomes. This interpretability issue is crucial in healthcare, where understanding the model's reasoning is essential for clinical trust.

• Deep Learning

A subset of ML that uses artificial neural networks, particularly deep neural networks, to process and analyze data. Deep learning has achieved significant success in tasks such as the analysis of medical images, including the identification of abnormalities in X-rays and CT scans.

• Natural Language Processing (NLP)

The pursuit of comprehending human language has captivated AI researchers since the 1950s. This field, known as Natural Language Processing (NLP), encompasses a wide range of applications, including speech recognition, text analysis, translation, and other language-related objectives. There are two fundamental approaches within NLP: statistical NLP and semantic NLP. Statistical NLP relies on machine learning techniques, particularly deep learning neural networks, and has significantly enhanced recognition accuracy in recent times. It relies on a substantial "corpus," or a large body of language data, for training.

In the realm of healthcare, NLP plays a predominant role in various applications, including the generation, comprehension, and categorization of clinical documentation and published research. NLP systems are capable of analyzing unstructured clinical notes about patients, generating reports (such as radiology examination reports), transcribing patient interactions, and facilitating conversational AI interactions within healthcare contexts.

• Expert System

In the 1980s, expert systems based on 'if-then' rules were dominant in AI and found wide commercial use, including in healthcare for clinical decision support. These systems rely on human experts and knowledge engineers to create tailored rule sets. However, they face limitations with a large number of rules and rule conflicts, making them less functional. Adapting expert systems to changing knowledge domains is also challenging.

In healthcare, there's a shift towards data-driven and machine learning-based approaches, recognizing their adaptability and scalability. These approaches involve training algorithms to make decisions with rewards or penalties, applicable in personalized treatment planning and resource allocation in healthcare settings.

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• **Genomic AI**

The use of AI in diagnosing and treating diseases dates back to the 1970s with systems like MYCIN at Stanford University, which aimed to diagnose blood-borne bacterial infections. Early rule-based AI systems showed promise but faced challenges in surpassing human diagnosticians and integrating into healthcare workflows.

IBM's Watson gained attention for precision medicine, especially in cancer diagnosis, using machine learning and Natural Language Processing (NLP). However, enthusiasm waned due to difficulties in training Watson for specific cancers and integrating it into healthcare systems. Watson offers "cognitive services" through APIs, covering speech, language, vision analysis, and machine learning.

Despite challenges, AI in healthcare continues to advance, with research laboratories claiming breakthroughs in AI and big data-driven approaches rivaling human clinicians in diagnostic and treatment accuracy. This shift toward evidence- and probability-based medicine raises ethical questions and alters the patient-physician relationship dynamics.

• **Robotics**

Physical robots have become well-established technology, with over 200,000 industrial robots installed worldwide annually, used for tasks in manufacturing and healthcare settings. These robots are evolving to be more collaborative and intelligent, integrating AI capabilities into their operations.

Surgical robots, approved in the USA in 2000, enhance surgical precision and capabilities for tasks like visualization, minimally invasive incisions, and suturing. However, human surgeons still make critical decisions in surgical procedures. Surgical robots find applications in various surgeries, including gynecologic, prostate, and head and neck surgery.

• **AI for Drug Discovery**

AI algorithms analyze molecular data to accelerate drug discovery processes, identify potential drug candidates, and predict their safety and efficacy.

• **Healthcare Operations and Administration**

AI is used for optimizing hospital operations, managing patient schedules, predicting equipment maintenance needs, and automating administrative tasks like billing and claims processing.

• **IoT and Wearables**

AI can analyze data from Internet of Things (IoT) devices and wearables to monitor patient health in real-time, detect anomalies, and provide early warnings to healthcare providers.

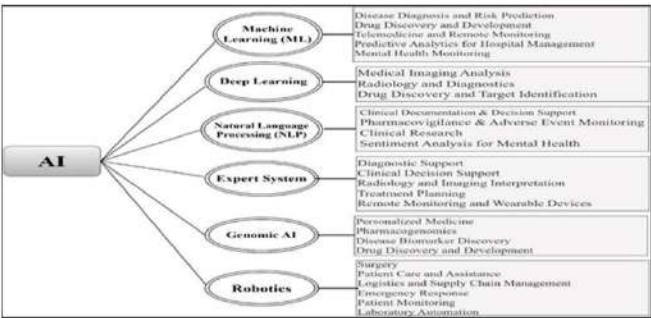


Figure 1: Numerous applications of artificial intelligence (AI) in the medical field.

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The Future of AI in Healthcare

The future of AI in healthcare holds significant promise. Machine learning, a key component of AI, is driving the development of precision medicine, an advancement widely recognized as crucial in healthcare. While early efforts in diagnosis and treatment recommendations have presented challenges, we anticipate that AI will ultimately excel in these domains as well. Due to the swift advancements in AI for image analysis, it's probable that a significant proportion of radiology and pathology images will be scrutinized by AI systems. Speech and text recognition technologies are already in use for tasks like patient communication and clinical note capture, and their utilization is poised to expand.

However, the primary challenge for AI in healthcare is not its capability to be useful but rather ensuring its seamless adoption in daily clinical practice. To achieve widespread adoption, AI systems must gain regulatory approval, integration into Electronic Health Record (EHR) systems, standardization to ensure consistency across similar products, training for clinicians, financial support from public or private payer organizations, and continuous updates in the field. These challenges will be overcome, but the process will likely take longer than the maturation of the technologies themselves. As a result, we anticipate limited use of AI in clinical practice within the next 5 years, with more extensive utilization within the following decade. The future of AI in healthcare holds great potential to enhance patient care and outcomes.

Challenges and Concerns

While AI has come a long way, it also faces significant challenges and concerns, including:

- **Ethical and Bias Issues:** AI systems can perpetuate biases present in their training data, leading to discrimination and unfair outcomes.
- **Privacy:** AI's data-driven nature raises concerns about the privacy and security of personal information.
- **Job Displacement:** As AI automates certain tasks, there are concerns about job displacement and the need for retraining the workforce.
- **Regulation:** Policymakers grapple with how to regulate AI to ensure safety, fairness, and ethical use.

Conclusion

Artificial Intelligence is not a figment of science fiction but a tangible and transformative technology. Its evolution from concept to reality has been marked by periods of excitement and disappointment. In contemporary times, artificial intelligence has become an essential component in various facets of our daily existence, encompassing healthcare, finance, entertainment, and transportation. However, it also brings forth important ethical and societal challenges that must be addressed as AI continues to advance. The future of AI holds the promise of even greater innovation and, with it, the responsibility to ensure that AI benefits all of humanity.

Kaveri Banerjee

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Faculty's Voice-NIMS

দূরত্ব



দূরে চলে যাও তাই
মাঝে মাঝে ইচ্ছে হয়
তোমায় দেখি
দিনমানে ক্ষণকাল পরপর
বদলায় আকাশের রঙ
কমলা আলোর ওমে ভরে ওঠে
পাখিদের কিচির মিচির,
ভোরবেলা

গড়ালে বেলা,
সোনালী রোদ এসে
খেলা করে
আলস্যের ভীড়ে

ও বাড়ির ছোটো বৌ
চাতালে ছড়িয়ে রেখেছে
গমের দানা
তামাটে রোদ্রুর গায়ে মেখে
গমদানা খেতে,
কত না পাখিদের আনাগোনা,
ভরা শীতে

ভাবি চিঠি লিখব তোমায়,
নীল কালিতে,
সবুজ খামে ভরে দেবো
এক পরিযায়ী পাখিকে

আমার পত্র নিয়ে
বিহগ পোস্টম্যান,
পাড়ি দেবে দিগন্তে
বয়ে স্বপ্নের উড়ান

সন্দের ঠিক মুখে
গোলাপী রোদের আভা
কানে কানে বলে যাবে এসে,
চুপি চুপি
"কিরে কেমন আছিস?
ভাল থাকিস মা"
আকাশের মতো বদলায়
রঙ, জীবনেরও...
তুমি আর আসবেনা বাবা

Saroda Chatterjee
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AI AND FINTECH: THE RIDE AHEAD IF FINTECH IS A KAYAK THEN AI IS THE PADDLE WHICH MAKES KAYAKING A SMOOTHER EXPERIENCE.



In the fast-paced ever-changing arena of Financial technology or Fintech, AI (Artificial intelligence) acts as a transformational force empowering fintech companies by automating routine tasks and efficiently managing data. Its applications are wide-ranging, from fraud detection and threat identification to processing vast datasets and automating customer services, hence improving the quality of service. This article delves into the significance and application of fintech, with a specific focus on the integration of AI technologies within fintech companies.

The term fintech originates from the fusion of finance and technology leading to the integration of technology into financial services. Hence a wide range of financial services can be done at the click of a button revolutionising the traditional financial system. The fintech firms deal with transactional challenges more swiftly than their traditional counterparts. For the fintech startups to thrive, they need a more supportive ecosystem similar to how humans need air, water and food. According to Ernst and Young, the fintech ecosystem rests on four essential pillars: capital, customers, demand and regulations. Here capital represents funding sources like venture capital, angel investors, patient capital, IPOs (Initial public offering) etc. The demand for fintech products can stem from banks, government entities and retail customers while a strong regulatory environment creates a conducive environment for fintech operations.

Although, the term fintech may seem contemporary but historical records indicate the application of technology in finance dates back to as early as 1870. The crucial moment occurred with the successful laying of the first transatlantic cable in 1866 by the Atlantic Telegraph Company. Additionally, the introduction of the automated Teller machine (ATM) by Barclays Bank in 1967 marked a significant milestone, marking the onset of the modern evolution of fintech as we know it today.

The important functions of fintech are:

• Finance and Investment

The fintech firms can make crowdfunding and P2P (Peer to peer) lending platforms very much accessible. Crowdfunding refers to the collection of small amounts of money from numerous investors or 'crowds' usually to initiate new ventures. P2P lending on the other hand, allows direct borrowing between individuals without traditional financial intermediaries.

• Operations and Risk Management

Fintech makes risk management simpler for all participants in a financial ecosystem. By utilising data driven predictions, it can aid decision making and facilitate understanding of customers based on their background analysis. Real time activity tracking facilitates prompt business responses.

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• Payments and Infrastructure

Fintech applications in payment include digital wallets (Paytm or Gpay), open banking (sharing of customers data to a third party for services like UPI payment initiation ,cryptocurrencies like Bitcoin and Ethereum (using blockchain technology) and embedded payments where non-financial services companies offer payment functionality to their business customers.

• Data Security and Monetization

FinTech innovation is clearly present in the uses to which “big data” can be applied. Robust data security is of the utmost importance for any fintech firm as these companies hold a vast amount of sensitive customer data. Strict cybersecurity and regulatory measures are needed to safeguard this data.

• Customer Interface

Fintech companies compete with the traditional financial sector, leveraging their existing customer base. They roll out innovative financial products and services, capitalising their existing customer network.

There are various functions within the fintech industry that can be made easier with the help of artificial intelligence driven techniques. A notable example for this is Robo advising which is the use of chatbots for solving the problems of the customers leading them to visit a financial services website and providing solutions to their queries effectively. AI based credit scores is another advancement which can provide an accurate analysis of a customer's credit history. The technology assesses the ability and willingness of the customer to repay debts accurately thus helping financial institutions to repay debts.

In case of fraud detection, AI helps in detecting banking fraud by identifying suspicious activities data leading to avoidance of such anomalies. Cash withdrawal locations can be monitored and additional safety can be ensured for customers by using AI tools. The robo advisors and chatbots can provide customised service and expert advice at a low cost. AI can analyse unstructured data more precisely which is essential for financial services. In fintech, this can be applied in various ways, including predicting product suitability and adapting marketing strategy by analysing customer behavior.

AI simplifies regulatory compliance by automating the inclusion of latest changes which is otherwise a challenge for the fintech firms. This ensures the development of trust among customers as not only the risk is mitigated but the creditworthiness of fintech firms also increases. The financial inclusion is enhanced with the help of AI by automating credit assessment and offering innovative micro lending options, thus including individuals and businesses which were excluded from traditional banking system.

In conclusion it can be said that artificial intelligence has an important role in providing solutions to fintech companies. The main crux of AI is it solves the problems of the company saving both its time and money. By using automation tools for data analysis and chatbots, the companies can greatly reduce the workload on their staff. AI's unique promise of combined cost reduction and increased differentiation makes it generally attractive across the board. The fintech companies can achieve a more technologically advanced ecosystem by harnessing the power of artificial intelligence by streamlining their operations and customer experiences.

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AMUL- THE TASTE OF INDIA WITH THE MAGIC OF AI



"Technology is unlocking the innate compassion we have for our fellow human beings." - Bill Gates

A household with no Amul product is not an Indian household. The fright of not being able to use the necessary daily requirements from the house of Amul had gripped the nation when the COVID-19 pandemic lockdown was announced in India. During the lockdown, the dairy operators in India were given some leverage to conduct business but with restrictions. With the infliction of lockdown, businesses either closed down or curtailed their activities. The dairy industry was impacted by the restaurants, catering, and hotel industries. Where most operators in the dairy sector were closing business, strangely Amul was preparing for a surge in demand. The situation during the pandemic was unseen by the business players in India. But amidst the trying time, Amul could see an opportunity in uncharted waters like that of the pandemic. Businesses in the dairy sector only looked at the lateral businesses, but Amul looked at the paradigm shift in consumer behavior also. Amul could see an increased number of people staying at home resulting in more consumption of dairy products.

The then CEO of Amul, R.S. Sodhi made sure that the supply chain was intact. What came to rescue at this point in time was the advent of artificial intelligence (AI) Amul's supply chain needed to be robust, scalable with real-time response. Amul invested ₹80 crores in a collaborative agreement with IBM for its supply chain. A private cloud with data centre and disaster recovery infrastructure was implemented, monitored and managed by technology without human intervention. The last mile delivery was done using all the online and offline means by introducing the Distributor Management System (DMS) which connected 9200 distributors and 7.2 lakh retailers during the pandemic. As a result of this effort Amul had to strategize to cater to the surge in demand. Amul plants were operating at full capacities but that was not enough. Amul hired the closed plants of other dairy operators to meet the escalated demand. Frozen foods and ice-creams were regarded to increase the health issues pertaining to coronavirus. Hence these facilities were also used for fresh milk supply etc.

But was technology solely responsible for Amul's success during the pandemic? Was it a result of technology only? The answer is probably 'no'. There are certain things that technology cannot do. One of them was Amul's additional care towards its workers and cattle. The casual workers were given an extra daily cash incentive of ₹100 to ₹125 for the increased amount of work that they were putting in to meet the surge in demand. The company made arrangement for stay and food so that none of them got affected due to the virus. At a point in time when there was dearth of food for the farmers, cattle became secondary in terms of meeting the needs. Amul took cognition of this fact and ensured cattle feed was arranged at the farmers' location. This has been a classic situation of humanistic management centered on technology. Human beings have therefore been smart to create artificial intelligence but gladly missed out on giving it the humanistic fervor only to retain humanity as the biggest gift to mankind.

¹BS Reporter, IBM wins Amul's 10-yr outsourcing contract, Date: 20 January 2013 https://www.business-standard.com/article/technology/ibm-wins-amul-s-10-yr-outsourcing-contract-109070600052_1.html accessed 31 October 2023

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AI-ENHANCED INFORMAL COMMUNICATION IN ORGANIZATIONS



Abstract

Informal communication networks, often referred to as "grapevine communication," play a vital but elusive role within organizations. This paper explores the dynamic intersection of grapevine communication and artificial intelligence (AI) tools. It investigates how AI can be harnessed to not only understand but also enhance grapevine communication. Drawing on a comprehensive literature review, this research explains the theoretical foundations of grapevine communication and the potential of AI to amplify its impact. Through a methodological approach that integrates AI techniques, including sentiment analysis and natural language processing, we analyze the informal communication patterns within organizations. Our findings shed light on the richness and complexity of grapevine communication dynamics. We then delve into strategies for enhancing grapevine communication through AI-driven solutions, exemplifying their practical implementation. The integration of AI in grapevine communication is not without its challenges, including ethical considerations and data security. This paper highlights these issues and provides recommendations to mitigate potential difficulties. Ultimately, the research demonstrates that AI tools offer a promising avenue to not only comprehend but also augment grapevine communication, enhancing its effectiveness and contributing to informed decision-making within organizations. As AI continues to advance, the future holds promising prospects for further research and innovation at the intersection of AI and grapevine communication (Advances in Data Mining: Applications and Theoretical Aspects, 2014).

Introduction

In the rapidly evolving landscape of modern organizations, communication is the lifeblood that sustains productivity and innovation. While formal communication channels like emails, meetings, and official documents remain essential, informal communication plays an equally vital role in shaping workplace culture, fostering collaboration, and disseminating critical information. However, managing and enhancing informal communication can be a challenging task. This is where AI tools come into play, revolutionizing the way organizations harness the power of the grapevine.

The Grapevine: The Informal Communication Network

The grapevine, often referred to as informal communication, consists of the unstructured, unofficial, and often spontaneous conversations that occur within an organization. These conversations can take place in hallways, break rooms, social gatherings, or through digital platforms like instant messaging apps. While informal communication lacks the structure of formal channels, it serves as a valuable source of information sharing, idea generation, and relationship building.

Challenges in Managing Informal Communication

Though informal communication is indispensable, it can be challenging for organizations to manage effectively. The grapevine can sometimes spread rumours, misinformation, or sensitive information without proper context. Additionally, it can lead to communication silos, where information is confined to certain groups, hindering organizational transparency (Farazmand, 2018). These challenges make it imperative for organizations to find ways to enhance and regulate informal communication.

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Leveraging AI for Enhanced Grapevine Communications

Artificial Intelligence (AI) has emerged as a transformative force in managing and improving informal communication within organizations. Here are some ways AI tools can enhance grapevine communications:

Sentiment Analysis

AI-driven sentiment analysis tools can monitor the tone and emotions in digital conversations, helping organizations identify potential issues or conflicts in real-time. This enables timely intervention to address concerns and maintain a positive workplace atmosphere.



Figure 1: Sentiment Analysis.

Natural Language Processing (NLP)

NLP technology allows AI systems to understand and interpret human language. AI chatbots, for example, can be integrated into messaging platforms to answer common questions, provide information, or even initiate conversations, fostering engagement and knowledge sharing.

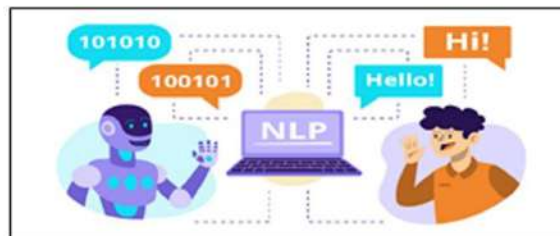


Figure 2: NLP

Content Curation

AI algorithms can analyze the content of informal conversations and curate relevant information for different teams or individuals. This ensures that critical information is disseminated to the right people while minimizing information overload.



Figure 3: Content Curation

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Network Analysis

AI tools can analyze communication patterns and networks within an organization. This helps identify key influencers and connectors who can play a pivotal role in facilitating the flow of information across teams and departments.

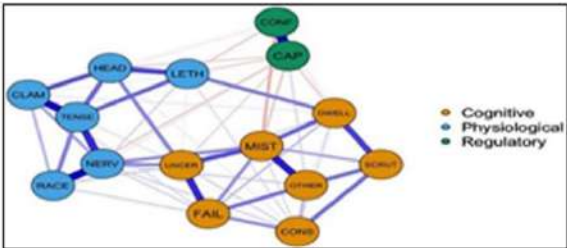


Figure 4: Network Analysis

Virtual Collaboration Assistants

AI-powered virtual assistants can schedule informal meetings, coordinate events, and even suggest team-building activities, enhancing collaboration and relationship-building among employees (Reich, 2020).



Figure 5: Virtual Collaboration Assistants

Knowledge Management

AI-driven knowledge management systems can capture and organize tacit knowledge shared in informal conversations. This knowledge can then be leveraged to enhance decision-making and innovation.



Figure 6: Knowledge Management

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Benefits of AI-Enhanced Grapevine Communications

The integration of AI into informal communication processes offers numerous benefits for organizations:

Improved Productivity

By streamlining informal communication and ensuring that important information is readily accessible, AI tools help employees work more efficiently.

Enhanced Innovation

AI can connect employees with diverse backgrounds and skills, fostering idea generation and innovation through cross-functional collaboration.

Reduced Miscommunication

AI-driven sentiment analysis helps organizations detect potential issues before they escalate, reducing the risk of misunderstandings and conflicts.

Enhanced Employee Engagement

AI-powered virtual assistants and chatbots can provide personalized assistance and support, boosting employee engagement and satisfaction.

Data-Driven Decision Making

AI tools provide valuable insights into informal communication patterns, enabling data-driven decision-making and strategic planning.



Figure 7: Benefits of AI-Enhanced Grapevine Communications

Conclusion

In today's dynamic and interconnected business environment, informal communication is a powerful force that can shape an organization's culture and performance. Leveraging AI tools to enhance grapevine communications is not just a technological advancement but a strategic imperative for organizations looking to thrive in the digital age. By harnessing the capabilities of AI, organizations can ensure that informal communication remains a vibrant and constructive force that drives collaboration, innovation, and success.

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Faculty's' Voice-NIMS

THE COEXISTENCE OF ARTIFICIAL INTELLIGENCE AND HUMAN INTELLIGENCE



Abstract

The coexistence of artificial intelligence and human intelligence involves integrating AI technologies into various aspects of human life while respecting ethical considerations. It's about leveraging AI to enhance productivity, solve complex problems, and improve efficiency, all while ensuring that AI systems are developed and used responsibly.



Introduction

Artificial Intelligence (AI) has emerged as a transformative force in our modern world. Its rapid advancement has spurred debates and discussions about its implications for human society. Some fear a future dominated by machines, while others envision a harmonious coexistence between artificial and human intelligence. Let's explore the potential for AI and human intelligence to coexist harmoniously, benefiting each other and society as a whole.

The Rise of AI

Artificial Intelligence has traversed a substantial journey since its inception, achieving monumental advancements in domains such as machine learning, natural language processing, computer vision, and robotics. AI systems have now attained remarkable strides in the capacity to execute intricate tasks, including reaching grandmaster-level proficiency in chess, offering precise diagnoses of medical conditions, and even generating text that closely emulates human expression.

AI's Growth in Various Sectors

AI's profound influence resonates notably through its seamless integration into diverse sectors of our economy and society. Within the realm of healthcare, AI emerges as a pivotal force, empowering physicians to render diagnostically astute decisions and proffering treatment modalities grounded in meticulous data scrutiny. Transportation undergoes a transformative phase, courtesy of autonomous vehicles poised to usher in enhanced road safety and efficiency. Furthermore, in the intricate domain of finance, AI algorithms unveil their capacity to prognosticate market dynamics and fine-tune investment portfolios, elucidating AI's expansive capabilities in elevating human pursuits.

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Enhancing Human Abilities

Rather than usurping the roles of humans, AI harbours the potential to augment our capabilities significantly. Within the realm of education, AI-fuelled tutoring systems stand poised to deliver tailor-made learning experiences to students, thereby facilitating the realization of their utmost potential. In the domains of art and music, realms steeped in creativity, AI emerges as a valuable instrument, poised to aid artists and musicians in their creative undertakings by proffering fresh vantage points and innovative ideas.

AI as a Collaborative Partner

AI assumes the role of a cooperative ally across various facets of our existence, exemplified by AI-infused virtual assistants like Siri and Alexa. These sophisticated systems are meticulously crafted to enhance the expediency and efficiency of our quotidian endeavours. They adeptly respond to inquiries, facilitate the establishment of reminders, and exercise control over the interconnected devices within our residences. It is crucial to underscore that these AI-driven virtual assistants do not supplant human intellect; rather, they act as a supplement, adroitly managing mundane chores, thereby affording us the opportunity to concentrate our cognitive faculties on more intricate and substantial pursuits.

AI and Human Creativity

Among the most captivating facets of AI lies its potential to enrich the realm of human creativity. AI algorithms exhibit a capacity to craft art, music, and literature that evokes admiration and intellectual contemplation. Nevertheless, a discourse exists, questioning the integrity of human creativity when juxtaposed with AI's output. In practice, AI-generated content possesses the intrinsic capacity to kindle the artistic spirit within human creators, offering a wellspring of inspiration and novel creative avenues. Additionally, it stands as a valuable instrument for artistic experimentation, facilitating artists in their quest to stretch the horizons of their craft.

AI in Scientific Discovery

The transformative potential of AI in scientific research becomes manifest in its prowess for data analysis and pattern discernment. AI systems exhibit an aptitude for scrutinizing extensive datasets, uncovering subtle trends and correlations that might elude human researchers. In disciplines as diverse as medicine, astronomy, and climate science, this capability has the power to expedite breakthroughs. A harmonious synergy between AI and human scientists emerges, with AI orchestrating data analysis while humans contribute their indispensable faculties of critical thinking and interpretative acumen.

The Fear of Job Displacement

A predominant apprehension surrounding AI pertains to its capacity for supplanting human employment. The advent of automation and robotics has, in certain sectors, precipitated the displacement of human workers. Nevertheless, it is imperative to acknowledge that AI's impact is not solely adverse, as it concurrently engenders novel employment prospects and avenues. Consider, for instance, the exigency for adept professionals to engage in the creation, upkeep, and oversight of AI systems. This burgeoning demand accentuates the imperative role of skilled individuals in the AI ecosystem. Furthermore, AI has the potential to act as an enabler of heightened human productivity by liberating us from routine tasks, thus affording the opportunity to channel our energies towards endeavours imbued with creativity and strategic import. In essence, while AI does engender challenges, it also beckons forth a spectrum of constructive prospects.

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Ethical Considerations

In order to establish a harmonious synergy between AI and human intellect, it is imperative to earnestly confront ethical quandaries. The evolution of AI mandates adherence to tenets that place a premium on transparency, accountability, and equity. An exemplar of this is the imperative to rectify biases inherent in AI algorithms, which can inadvertently propagate discrimination and disparities. It falls upon the shoulders of both developers and policymakers to diligently orchestrate the development and deployment of AI systems with unwavering fidelity to ethical imperatives.

Conclusion

The cohabitation of artificial intelligence and human intelligence harbours immense potential for our future. Instead of harbouring apprehensions about the ascent of AI, we ought to warmly welcome it as a potent instrument that can amplify our capacities, enhance our quality of life, and catalyse innovation across a spectrum of domains. In order to secure a future characterized by equilibrium, it becomes imperative to engage earnestly with ethical considerations and to embark on a collective endeavour aimed at optimizing the advantages of this formidable technology. Through conscientious development and collaborative endeavours, the fusion of AI and human intelligence holds the promise of forging a future wherein both entities coexist harmoniously, propelling society and the collective humanity toward greater advancement.

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Faculty's Voice-NIMS

BOOK REVIEW: KLARA AND THE SUN

By Kazuo Ishiguro



"Klara and the Sun" by Kazuo Ishiguro is a poignant and thought-provoking novel that explores the complexities of love, artificial intelligence, and the essence of humanity in a world shaped by technological advancements. Set in a near-future society, the story follows Klara, an Artificial Friend, a robot designed to provide companionship to children through her unique perspective. The Nobel laureate considers artificial life, lost children, and parental grief. At the heart of the novel is the relationship between Klara, an 'AF' ('Artificial Friend'), and Josie, whose mother buys Klara as a companion for her precocious daughter. Klara becomes, by design, devoted to Josie, helping her through periods of illness caused by the elective genetic enhancements that are now a standard investment for wealthy and ambitious parents in this plausible near future. Solar-powered herself, like all AFs, Klara convinces herself that Josie's fate depends on the energising power of the sun.

Klara is the window onto an imagined society in which artificial intelligence in form of genetic enhancement or digital programming, is the new normal.

Ishiguro masterfully weaves a tale that delves into Klara's consciousness, allowing readers to witness the world through her innocent and observant eyes. Klara's unwavering desire to understand human emotions, particularly love, forms the heart of the narrative. Her interactions with Josie, the young girl she befriends, are both heart-warming and revealing, showcasing the tender bond that develops between man-made intelligence and human vulnerability. The novel raises compelling questions about the ethical implications of AI and its impact on society. Ishiguro skilfully navigates these themes, prompting readers to contemplate the consequences of technological advancement on interpersonal relationships and the nature of existence itself.

The prose is beautifully crafted, evoking a sense of wonder and melancholy as Klara navigates a world filled with uncertainties and complexities. Ishiguro's ability to blend emotional depth with philosophical exploration creates a narrative that is both engaging and thought-provoking. "Klara and the Sun" is a hauntingly beautiful tale that lingers in the mind long after the final page. It's a captivating exploration of humanity, loneliness, and the enduring power of love, told through the eyes of an unforgettable protagonist. Ishiguro's storytelling prowess once again shines in this mesmerizing and contemplative work.

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TRAVELOGUE: A TÊTE-À-TÊTE WITH THE PHARAOHS



Embarking on a mesmerizing adventure, my Egypt travel vlog chronicles the awe-inspiring wonders of this ancient land, where history and culture collide in a vibrant tapestry of experiences. As I set foot in Cairo, the bustling capital city, the first sight to greet me was the iconic Giza Plateau, home to the majestic Pyramids of Giza and the enigmatic Sphinx. Standing in the shadow of these colossal structures, I marveled at the ingenuity of ancient Egyptians, whose architectural prowess continues to amaze the world.

Venturing deeper into Egypt's rich historical tapestry, Luxor unveiled its treasures. The Valley of the Kings, a necropolis of pharaohs, revealed intricately adorned tombs that whispered tales of a bygone era. Exploring the Karnak Temple Complex, I was spellbound by the grandeur of colossal statues, obelisks, and hieroglyphic-covered walls, vividly illustrating the religious fervor of the ancient Egyptians.

Sailing down the tranquil waters of the Nile, I embarked on a Nile cruise, a journey reminiscent of the Pharaohs' luxurious lifestyles. The picturesque landscapes of palm-fringed banks and ancient temples passing by created a serene backdrop for my contemplation of Egypt's timeless beauty. Visiting Edfu and Kom Ombo Temples, I immersed myself in the religious beliefs and rituals of ancient Egypt, admiring the well-preserved carvings and statues that depicted their gods and goddesses.

Arriving in Aswan, I explored the High Dam, a modern engineering marvel that tamed the mighty Nile, providing vital irrigation and electricity to the region. Nearby, Philae Temple, dedicated to the goddess Isis, stood gracefully on an island, inviting me to admire its ornate columns and intricate reliefs while appreciating the ingenuity behind its relocation to save it from the rising waters of Lake Nasser.

No trip to Egypt is complete without a visit to the vibrant bazaars. In the bustling markets of Cairo and Luxor, I indulged in a sensory feast, discovering aromatic spices, exquisite textiles, and traditional crafts. Engaging with locals, I savored authentic Egyptian cuisine, tantalizing my taste buds with dishes like koshari, falafel, and baklava, all rich in flavors and history.

My journey culminated in the tranquil oasis of the Red Sea, where the golden sands met the azure waters. Snorkeling in the vibrant coral reefs of the Red Sea, I encountered a kaleidoscope of marine life, a testament to Egypt's natural wonders beyond its historical marvels.

Egypt unfolded its enchanting narrative before my eyes, revealing a land where ancient mysteries coexist harmoniously with modern vibrancy. As I bid farewell to this captivating country, I carried with me not just memories, but a profound appreciation for the enduring legacy of a civilization that has shaped the course of human history. Egypt, with its timeless allure, had left an indelible mark on my soul, inviting me to return and explore its depths once more.

Sayan Samajder
Assistant Professor, NIMS

Faculty's Voice-NIMS

ONE DAY AT A TIME



"Courage faces fear and thereby masters it". - Martin Luther King

Each day is a new adventure pointing the way to an ever—better way to live. Life is a blending of good and evil experiences that we have to face while walking through till our last breath.

We can make this journey more enjoyable if we break the time in tiny segments. Can't we focus our attention and energy for just one day at a time? Yes! We can. We will focus our concentration on one day at a time and handle our situations better. Sometimes confusion and despair are so great that we can make it one hour or one minute at a time. We have authority over no life but our own.

We will slow our paces. We will keep in our mind that today is our sole concern and we can make it a good day. We will use this one single day to do the things which are needed along with a little enjoyment.

Worrying is one of the common factors people face today. The generation as well as our society is facing the unrest. Sometimes worry becomes such a habit that we can't shake it off even when we know that it serves no purpose. We have a compulsion to focus on the past or the future. We forget about the moment we live on. We should not be swamped by thoughts of yesterday or tomorrow until it becomes our today.

We are being good to ourselves by refusing to be disturbed by other people's sayings or doings which creates negativity in our waking thoughts. We can be good to ourselves by helping others and fill our lives with pleasant and rewarding activities.

Yesterdays have no value except the use of experiences in making today and the future more fruitful. We must keep in mind that we can live only in the present and all the rest of life is either past or uncertain.

The questions often begin with the expression: "What if" and these questions lurk in our minds voicing our inhibitions like losing someone, failing in our attempts or semester examinations or even losing our jobs. We are constantly engulfed by these hovering questions that project into the future anticipating the future occurrences that might not be materialized in reality. We must stop this useless thinking and it is true that FEAR describes itself as **"False Evidence Appears Real"**. We can do wonderful things, including the creation of order in our surroundings and our minds. Nobody else owns our particular segment of time.

There are times when the "poor me" mood is upon us. We are overwhelmed by the troubles we face. We may, initially, become too analytical and attempt to solve too much at times. For this frame of mind there is a prescription to follow: to empty our minds of all thoughts but one --- TODAY and HOW TO USE IT!

Anamika De Amin

Assistant Professor

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INTEGRATING ARTIFICIAL INTELLIGENCE AND DATA ANALYTICS FOR ENHANCED PATIENT-CENTRIC HEALTHCARE DELIVERY IN HOSPITALS



In the ever-evolving landscape of healthcare, the integration of artificial intelligence (AI) and data analytics has emerged as a beacon of hope for improving patient-centric care in hospitals. This dynamic duo of technology promises to revolutionize healthcare delivery, ushering in a new era of personalized, efficient, and effective treatments.

• **Personalized Care**

AI's ability to process vast amounts of patient data, from electronic health records to genetic information, empowers healthcare providers to tailor treatment plans like never before. Each patient becomes a unique case, benefiting from personalized interventions that enhance outcomes and reduce risks.

• **Early Detection**

AI algorithms scanning patient data for subtle patterns that might indicate early signs of diseases or deteriorating health. With AI-driven early detection, healthcare providers can intervene proactively, potentially saving lives and reducing the burden on hospitals.

• **Predictive Insights**

Hospitals are dynamic ecosystems, and predicting patient admission rates, readmissions, and disease outbreaks can be a daunting task. Enter predictive analytics, which harnesses the power of data to forecast trends. Hospitals can allocate resources more efficiently, alleviating overcrowding and enhancing overall care quality.

• **Real-time Monitoring**

Remote patient monitoring equipped with AI is changing the game. Patients can now be monitored in real-time, and healthcare providers receive instant alerts if vital signs deviate from the norm. This proactive approach minimizes hospital readmissions and keeps patients healthier at home.

• **Revolutionizing Diagnostics**

Radiologists and pathologists have powerful allies in AI. Advanced algorithms analyse medical images swiftly and accurately, speeding up diagnosis and treatment planning. This not only saves time but also enhances diagnostic accuracy.

• **Patient Engagement**

Natural Language Processing (NLP) tools analyse patient feedback and doctor's notes, unlocking insights into patient satisfaction and communication gaps. Hospitals can use this information to refine their services, creating a more patient-centric environment.

The journey to a more patient-centric healthcare system is underway, driven by the integration of AI and data analytics. As hospitals continue to embrace these technologies, we can expect a healthcare landscape where personalized care, early detection, and predictive insights become the norm, transforming the patient experience and saving lives along the way. The future of healthcare has arrived, and it's more patient-centric than ever before.

Keya Pan
Assistant Professor, NIMS

Alumnus' Voice- NIHS

ARTIFICIAL INTELLIGENCE IN PHYSIOTHERAPY – IS IT THE FUTURE?



Introduction

Healthcare innovation is experiencing significant advances in the fields of artificial intelligence and machine learning. As the number of disabled individuals grows as a result of sedentary and unhealthy lifestyles, there is a greater need than ever for physiotherapy. In addition to working with other medical specialists, physiotherapists help patients manage age-related ailments, avoid surgery, and have better mobility. Artificial intelligence and machine learning are two techniques that can be utilized to reduce therapists' workloads and provide them the ability to treat more patients more effectively.

Artificial Intelligence

A mathematical field that characterizes a computer's capacity to carry out operations that ordinarily call for human intellect is called artificial intelligence. There are several applications for artificial intelligence, including software applications and hardware interfaces.

Machine Learning

Machine learning is the scientific study of statistical models and algorithms when they are applied to computer systems that are used to carry out certain tasks. It's considered a part of artificial intelligence. Without being specifically programmed to do the job, machine learning algorithms create a mathematical model based on sample data, or training data, to make predictions or judgments.

How AI and Technology Can Help Patients Manage Chronic Pain

Through innovative care delivery strategies, well-informed decision-making, and the promotion of patient engagement, the mathematical engineering discipline of artificial intelligence has the potential to improve healthcare.

Role of an AI Integrated App	How ?
1. Keep track of your symptoms as they appear, taking note of your first symptoms	By using a smartphone app to systematically track symptoms and everyday activities, patients and their doctors can begin to recognize patterns and gain a better understanding of their pain.
2. Determine the environmental elements that affect the intensity of pain	AI assists patients and medical practitioners in identifying the most efficient coping techniques by tracking and monitoring pain triggers. With the use of in-the-moment tracking, patients and their physicians may pinpoint the environmental factors-such as cold temperatures, stress at work, and hazards-that influence pain levels and take the necessary action.

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Role of an AI Integrated App	How ?
3. Receive forewarning psychological symptoms of pain, such as depression, anxiety, and insomnia	Newly developed AI-enabled tools records a small audio clip of the patient, and an algorithm listens to the speech to detect signs of anxiety or sadness. Along with monitoring daily exercise and avoidance of certain items, it also aids in the methodical examination of patients' sleep patterns.
4. Walks patients through alternative therapies	Cognitive-behavioral therapy (CBT), an intervention in which a therapist works with a patient to help modify problematic thought patterns and establish coping mechanisms, is one treatment option available today for chronic pain. To make this treatment more widely available and affordable, some researchers are developing AI-based cognitive behavioral therapy (CBT), which might be used in addition to or even instead of standard CBT.
5. Connect patients to peers who can support them	Therapists can't be on call 24/7, but fellow chronic pain patients can. A peer may be a source of connection and immediate support for a patient who is experiencing pain, despair, or anxiety at 3a.m. in the morning.

Internet Based Exercise Training (IBET) Program

Applications that provide web-based workout regimens have been effective. They encourage people to continue exercising, monitor their pain, and assist with self-management in order to minimize it. The main issues that affect knee OA patients' quality of life are recognized to be decreased physical function and persistent pain. The IBET software was developed by Visual Health Information in collaboration with a multidisciplinary team comprising patients, physicians, and physical therapists.

The following characteristics of IBET program are: (1) customized workouts that incorporate strengthening, stretching, and aerobic movement; these programs are based on current activity, function, and discomfort assessments, as well as an algorithm that assigns people to one of seven exercise levels; (2) recommendations for exercise progression based on recurrent evaluations of function and pain; (3) a video demonstration of exercises (together with pictures) to demonstrate correct execution of exercises; (4) automatically generated prompts to users who haven't checked in for seven days to visit the website and remain active; (5) progress tracking, which includes graphs showing changes in function, discomfort, and activity over time.

Following total knee replacement (TKR) surgery in patients with osteoarthritis, researchers compared traditional and artificial intelligence (AI) digital sessions. Using a web-based site and a phone application, 3D movement quantification was used in the digital sessions to identify the movements of the patients. According to the study's findings, using digital intervention for a home program following TKR surgery minimized therapists' burden while improving patient results.

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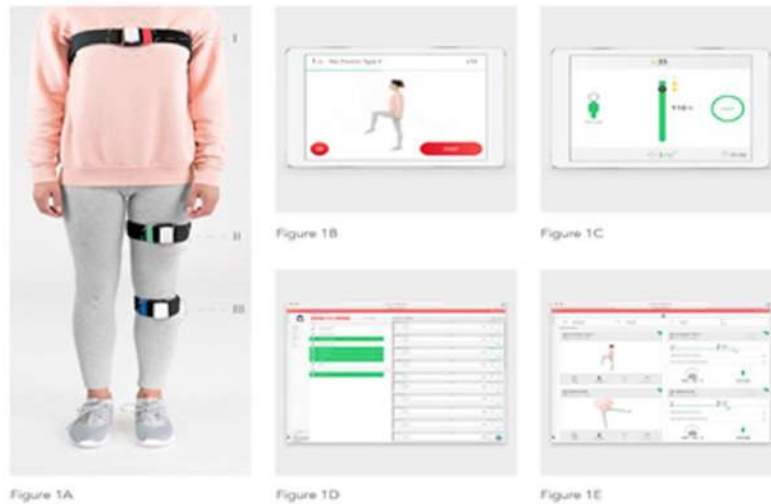


Figure 1. System components. (A) Motion tracker setup. (I) Red tracker: over the sternal manubrium. (II) Green tracker: anterior surface of the hip. (III) Blue tracker: over the anterior tibial crest. (B) Mobile App: preparation screen. This screen is shown before each exercise and displays a video of the exercise as well as audio instructions. (C) Mobile App: execution screen. (D) Web Portal - prescription screen. This screen displays the available exercises on the left and the layout of the exercise session on the right. (E) Web Portal - results screen. In this screen, the following information is presented: date and time of the session; session duration; pain and fatigue reported by the patient through the app; and one card per exercise, showing baseline and target joint angles, wrong and incomplete repetitions, and posture errors.

Source : JMIR Rehabil Assist Technol 2019 | vol. 6 | iss. 1 | e13111 | p.4

Limitations

Researchers discovered that the general public displayed mistrust towards AI technology when it came to its ability to diagnose and forecast health concerns. On the other hand there are also raised concerns regarding the lack of a human touch while using AI technologies, particularly in the rehabilitation field. Similar findings from earlier research suggested that the use of AI technologies might prevent patients and healthcare practitioners from having positive interactions. Also people who are old might face difficulties operating a smartphone is a significant drawback in case of AI generated mobile apps.

Conclusion

Artificial intelligence and machine learning in physiotherapy are always striving for advancements that will affect their function in the twenty-first century. When combined with human assistance, digital treatments become more effective. Though recent studies revealed the lack of understanding and uses of AI in the rehabilitation sector, as well as the cost and availability of AI resources as the most prevalent constraints faced by physiotherapists, the technology holds the potential to revolutionize the way we treat people with physical ailments. By delivering real-time feedback and corrective instructions on how their bodies move, the device might help physicians shorten treatment plans based on real-time data and enhance patient results.

Swarup Ghosh
2017 Batch - BPT

Alumnus' Voice- NIMS

AI & HUMAN INTELLIGENCE: DO THEY COINCIDE?



In this enchanting realm of technology, a compelling question echoes among us, "Is AI actually real, or is it only putting on a brilliant exhibition of super-clever antics?". Let's embark on a journey through the digital realm to discover the mysteries behind this tech wizardry.

As we debate the reality of AI, keep in mind that this quest moves us ahead into a future where human creativity and machine intelligence coexist. It's a collaboration in which we, as creators, determine the trajectory of technology while keeping in mind the obligations and ethical issues that come with giving life to our digital companions.

The verdict on AI's authenticity remains elusive in the grand theatre of AI, but the journey is certainly intriguing. Is this a true indication of intelligence, or a skillful illusion? We start on a dual voyage as we examine these concerns, uncovering the mysteries of AI while also peeling back the layers of our own cognitive complexities. The truth awaits discovery in this dance between silicon and soul, hidden in the digital age's magic and wonder.

At first glance, AI appears to be the brainy side of computer science, doing activities that normally need human intelligence. Consider it the wand that powers voice-activated assistants and impressive sophisticated algorithms. But here's the catch: Is AI genuinely understanding what's going on, or is it just an expert at putting on a good show?

Let us now go into the depths of consciousness. Can lines of code and clever computer techniques genuinely comprehend human ideas and feelings, or are they merely passive observers missing the whole picture? Another reason AI is not genuinely intelligent is a lack of common sense. The ability to grasp the intricacies of human behaviour, analyze social situations, and make decisions based on that understanding is referred to as common sense. For example, if you observe someone on the street approaching you with their hand extended, you may assume that they want to shake your hand.

AI, on the other hand, is incapable of making such inferences. It can conduct complicated computations and create data-driven predictions, but it cannot comprehend human behaviour or analyse social circumstances. For example, an AI system built to detect emotions in facial expressions may properly identify that someone is smiling, but it cannot comprehend why they are smiling or the context of the circumstance.

If you think of AI as something that can understand human emotions and make judgements based on that understanding, you are mistaken since AI lacks the ability to comprehend the complexity of human behaviour and social settings, it cannot work on the same level as humans.

Alumnus' Voice- NIMS

In the twenty-first century when people consider AI as a companion they often miss what they are talking to something that doesn't comprehend you completely. It's as if you're not sure if your computer knows you as well as your best friend. I mean what one will choose a person who knows them or a mere device with a bunch of codes that can provide answers but not the comfort that comes from within.

In all probability I believe AI can bring answers but not clarity as clarity is subjective. Humans have failed to understand each other and have become monsters yet we hope that a mere code-based stuff can understand the nuances of human psychology yet it is still fascinating that in this pursuit we are also understanding how complex we are and how hard it is to observe a human just by analyzing and by performing logical calculations.

As we allow machines to perform more jobs on their own, a critical question arises, "Are we responsible creators of this innovation, directing it towards good actions, or are we inadvertently causing difficulties for ourselves?" It is almost like being characters in a fascinating drama, unsure if the creation we have set loose might evolve into a tale of unforeseen repercussions. Consider it like deciding whether your computer is a smart co-thinker or an illusionist putting on a show.

There are several movies or books depicting how anything with higher intelligence but lower consciousness can become disastrous. AI is not capable of thinking beyond logic or rationality. It is quite obvious that the companions that we are making are just mere puppets and we all are enjoying the puppetry thinking it is real but the reality lies in the hand of the string master so if someone is controlled and lacks emotions or consciousness he in turn does not have a soul. What do we call it- a 'Mirage' or a 'Reality'?

We have believed anything that exists is real but along with the existence of AI, these inferences can be real as well. With a rise of deep fake or AI monitored voices we are sure that anything is real. This article can be written by AI or maybe not, so along with the question of AI being real, I firmly believe there is another hovering question that lurks on top- "WHAT IS REAL?"

Rohit Kumar Pandey
2020 Batch - BCA

Students' Voice- NIHS

THE REALITY BEHIND ARTIFICIAL INTELLIGENCE



ARTIFICIAL INTELLIGENCE (AI) has become a buzzword in recent years, capturing the imagination of scientist, entrepreneurs, and the general public alike. With its potential to revolutionize various sectors, from healthcare to finance, it's no wonder that AI has garnered so much attention. AI won't overtake humans because the natural skills of adjusting and adopting other skills is much faster of humans than AI. The contribution of AI is tremendous in Healthcare and Marketing field.

Natural Language Processing (NLP) refers to the branch of computer science – and more specifically, the branch of Artificial Intelligence (AI) concerned with giving computers the ability to understand text and spoken words in much the same way human beings can.

AI can be categorized into three main types: Narrow AI, General AI and Super AI. Narrow AI is also known as weak AI, is designed to perform specific tasks within a defined domain. On the other hand, General AI refers to system that possess human-like intelligence and can understand, learn, and apply knowledge across various domains.

The Super AI would be capable of solving complex problems that are beyond human capabilities and would be able to learn and adapt at a rate that far exceeds human intelligence. The development of Super AI is the ultimate goal of AI research and it is hypothetical form of AI that is not yet possible to achieve.

Despite its progress, AI still faces several limitations. One key challenge is the lack of common sense reasoning; which humans possess naturally. AI system struggles to understand context, sarcasm, or subtleties in human communication. Additional, AI algorithms are highly dependent on the quality and quantity of data they receive. Biases present in training data can leads to biased outcomes, perpetuating societal inequalities. Furthermore, ethical concern surrounding AI, such as privacy and jobs displacement, need to be addressed.

Artificial Intelligence is not just a buzzword; it is real and rapidly advancing field of science and technology. While General AI may still distant goal, Narrow AI has already demonstrated remarkable capabilities. As AI continues to evolve, it is essential to strike a balance between innovation and responsible development to harness its potential for the betterment of humanity.

Afroze Shaikh
1st Year - BPT

Students' Voice- NIHS

THE ICARUS OR THE PHOENIX



His ambitions were as glorious as the sun but he became Icarus..

"Hold him down! Hold him down!", I heard one of our neighbours yell out of fear; not just any fear but the fear of death. It was a normal Saturday evening till it wasn't normal anymore. Me and my parents rushed down my house to the street. The narrow lane that was earlier a prime location for the children who used to play gully cricket and other games, was no more as innocent as it used to be.

I saw a boy from our neighbourhood, Jeet, stab another neighbour, Vikram uncle, in the neck with a rusty scissor. It was such a scene of monstrosity, gore, shock and helplessness. The street was stained all over by blood. All we could hear were cries of desperation and abuses being hurled due to that violence. Some elders from the neighbourhood could finally separate the two. A police complaint was filed against Jeet. Vikram uncle narrowly escaped death but he lost his auditory sensation.

We later came to know that Jeet was under the influence of some substances.

It was quite noticeable that his group of friends was changing for the bad as he was growing up. However I believe that his friend circle wasn't the only problem. Rather giving in, on intrusive thoughts is a sign of weak character so even he is to be blamed. However in such a grand scheme of life and death, Blame is an illusive solution. Vikram uncle had somehow seen him that day taking it when he protested and started yelling at him. Enraged and out of panic Jeet jumped out of his balcony on Vikram uncle and the gore followed.

To be honest this came to me and probably everyone from the neighbourhood as a shock. We knew Jeet to be a calm boy but now all of a sudden everyone seemed to forget that. His parents who were respected earlier by everyone, now had their chins down. A boy who we all thought, would grow up to be a mature, responsible and a successful man, now had his life and future all in ruins. He was one day told by his parents that they would be going to visit their grandmother, we later came to know that they had actually taken him to a rehabilitation centre pretty far away from home.

This incident happened 5 years ago. The blood stains can no longer be seen on the street but that incident has scarred Jeet and his family permanently. His mother passed away shortly after he was sent off to the rehabilitation centre due to prolonged illness. Her last words were "My Jeet was wrong but I am sure he will make up for it."

On her last days she had written a letter for Jeet which had a line that read "When we meet on the other side, make sure that we are proud and not regretful anymore. Remember my son, your life ahead is going to be a war and that will start only when you win the battle within yourself."

Students' Voice- NIHS

His father who is now just a shadow of his previous self, has become extremely quite and mentally ill.

Who knows Jeet might return in a year or two from the rehabilitation centre as a "Clean" man, but that incident would never completely clean his image as a human in the eyes of the society. It's such a tragedy of life that the boy whose name literally means "Victory", has been given the toughest defeat by life and above all, by himself. He has lost his mother, the respect, dignity and above all, the time he had spent consuming the substance and time taken to withdraw himself from it in the rehabilitation centre.

I really hope he makes up for all of it and rises up like a Phoenix from the Ashes. It would be the toughest thing for him to do but everything comes with a cost and unfortunately these substances are way too expensive.

This is not just the story of Jeet but millions of others like him. I really hope that all of them spread their wings, become Phoenixes and fly high on success, not substance.

Ayush Goswami

2nd Year - BPT

Students' Voice- NIHS

WHISPERS OF THE STARRY NIGHT: A POET'S REFUGE



Beneath the canvas of the twilight sky,
Where stars ignite and distant worlds comply,
I find a whisper in the evening breeze,
A muse that dances through the swaying trees.

The moon, a silent guardian of the night,
Bathes all in soft, enchanting silver light.
In tranquil moments, thoughts begin to soar,
As dreams take flight, my spirit to explore.

The world slows down, and worries gently fade,
In this quiet realm where magic is remade.
Each breath a verse, a moment to inspire,
As poetry flows from heart to starry spire.

In verses woven with emotions deep,
The poet's soul in words begins to seep.
Through ink and rhyme, the heart's secrets unfold,
A tapestry of feelings, stories untold.

So, in this poet's world of ink and pen,
Let every stanza be a refuge then.
For here, within these lines and stanzas bright,
We find the solace of a starry night.

Farhin Sehnaz
3rd Year - BPT

Students' Voice- NIHS

GALIFF STREET: A NORTH KOLKATA LEGACY



Galiff Street in North Kolkata undergoes a fascinating transformation every Sunday, becoming the largest pet market in South Asia. This bustling marketplace, originally situated at Hatibagan, moved due to overwhelming crowds and popularity.

The street spans 750 meters, running parallel to the Circular Canal, and hosts a variety of sellers offering pets, plants, and accessories. On Sundays, it attracts pet lovers, hobbyists, photographers, and even social media enthusiasts. The market starts early at 4:30 am, with sellers setting up their stalls, offering everything from puppies and birds to fishes and exotic pets.



However, the weekly transition poses challenges, including space constraints, sanitation issues, and the absence of proper facilities. Residents, though content with being part of Galiff Street's legacy, express concerns about post-market smell and sanitation.

Cultural interactions, such as Jewish women bargaining with Bengali seed sellers and Bengali couples selecting plants for Durga Pujo decoration, add a colourful dimension to the market. Despite its quirks, like live hen-fights, Galiff Street continues to draw visitors with its unique charm, making it a must-visit spot in Kolkata.

Kishan Kumar
3rd Year - BPT

Students' Voice- NIHS

দিবা স্বপ্ন



দিবা স্বপ্নে ডুব দিয়ে বেঁচে আছে এই অন্ধ সমাজ।
কীভাবে বাঁধিবে তোমার বাস্তবতার কুঠীর আজ?

বলেছিলে স্বপ্ন দেখ, স্বপ্ন নাকি বাঁচতে শেখায়,
তবে ছোট ছোট স্বপ্ন দেখা প্রাণগুলো আজ জর্জরিত কেন রয়?

হে সমাজ তুমি কী দেখতে পাও?
ওরা মরছে পেটের দায়,
দু মুঠো ভাতের দায়।

হে সমাজ তুমি কেন ওদের পথ চলার সাথী হলে না?
ওদের জেগে দেখা স্বপ্নগুলির হাতটা শক্ত করে ধরলে না?
হে সমাজ তুমি বড়ই পাষণ,
ওদের দিবা স্বপ্নে ডুব দিতে শেখালে, বাঁচতে শেখালে না।

তোমার বিচার বড়ই আজব, কঠিন, নিষ্ঠুর থেকে নিষ্ঠুরতর
শুধু তোমার চোখে মাথা তুলে দাঁড়াবার আশায়
ওরা আজও স্বপ্ন দেখে,
দিবা স্বপ্ন।

শুধু বাঁধিতে পারেনা বাস্তবতার কুঠীর,
শুধু বাঁধিতে পারেনা সমাজকে তাদের স্বপ্নের মত করে
ওরা আজও স্বপ্ন দেখে।
দিবা স্বপ্ন।।

Papri Paul
4th Year - BPT

Students' Voice- NIHS

माँ



सब एक गहरी छाव है अगर, तो जिंदगी धपू है माँ,
धरा पर कब कहां तुझसा कोई स्वरूप है माँ।
अगर ईश्वर कहीं पर है उसे देखा कहां किसने,
धरा पर तो तूही ईश्वर का रूप है माँ, ईश्वर का तु ही रुप है माँ।
नही ऊंचाई सच्ची है, नही आधार सच्चा है,
कोई चीज ना है सच्ची ना यह संसार सच्चा है।
मगर धरती से अबर ं तक यगो ु से लोग कहते हैं,
अगर सच्चा है कुछ जग में तो माँका प्यार सच्चा है।
जरा सी देर होने पर सब से पछती हु माँ,
पलक झपके बिना घर का दरवाजा ताकती माँ।
हर एक आहट पर उसका चौक पड़ना, फिर दआ देना,
मेरे घर लौट आने तक, बराबर जागती है माँ।

Sharqua Kamal
4th Year - BPT

Students' Voice- NIHS

EMOTIONAL INTELLIGENCE (EI)



My mother's birthday was last week. As usual, I had procrastinated and was left with merely a day to plan her special day. Having no ideas for the moment, I turned to the savior of the 2000s; but you see, search engines give a much generalized answer, with way too many search results to choose from. So I decided to ask the detailed question to our current bestie; and there it was! A fully formed, detailed plan about a perfect birthday party, in the form of bullet points, just like I wanted; within mere seconds. It required no problematic human communication, confusion or hassle, plus all it requires is a mere smart device with internet connection, and we're good to go.

That is a tiny example of the power of AI. It requires no human involvement, minimal effort and within seconds, a whole lot of extremely organized data is in our hands. Be it organizing a party, writing a creative story, an excellent college application essay or cheating on a test, AI can help us in all kinds of situations, be it productive or not. These days, creating art doesn't need artists, magazine articles don't require writers, and videos can be made by clicking on the screen. And companies are taking this advantage to fire creators to cut down costs, as they are no more necessities, just mere luxuries. So in this world of virtual creations, how do we protect ourselves? How to ensure our jobs? How to go about our life knowing one day, our skills might lose its importance?

The simple answer is- We don't know.

In a recent lecture, writer and philosopher Yuval Noah Harari said that for the first time in forever, the future is so uncertain, that we can't predict it, nobody knows how the world would look like in 2050, except that it will be very different from today. So the most important things to emphasize in education are things like emotional intelligence and mental stability, because the one thing that we will need for sure is the ability to reinvent ourselves repeatedly throughout our lives.

It's really first time in history that we don't really know what particular skills to teach young people, because we just don't know in what kind of world we will be living, but we do know that we will have to reinvent ourselves. Because at least beyond a certain age, it's very, very difficult for people to reinvent themselves. So we kind of need to build identities.

Hence in the complex landscape of 2023, mental and emotional stability make up the cornerstones of sustainability. Prioritizing mental health, updating ourselves with our digital surroundings, and acting accordingly can maybe ease the confusion we face daily. Probably, there is no way to beat the speed of AI. But we have to remember, nothing can beat the human brain or touch. We just have to keep calm and move on.

Srija Sinha
2nd Year - BPT

Students' Voice- NIHS

গ্রামবাংলাও দূষিত



আজ কলকাতায় ফিরলাম দেশের বাড়ী থেকে।। আজ ভোরে যখন রাস্তা দিয়ে আসছিলাম।। তখন পুরনো গ্রামবাংলা র কথা মনে পড়ছিল।। যেমন আজ থেকে বছর দশেক আগে দেখেছিলাম অথবা পাঠ্যপুস্তক এ যেমন বিবরণ দেওয়া থাকে। কারন এখন গ্রামবাংলা ও নিজেকে শহরের মতো করে সাজিয়ে নিচ্ছে। এমনকি কতো কতো নতুন রেস্টোরা খুলছে। এখন গ্রামবাংলার মেঠো পথঘাট কালো পিচ দখল করে নিচ্ছে। আর সেখানে এখন তো মাটির বাড়ী তুলসী মঞ্চ ও বিলুপ্ত প্রায়; সাইকেল এর জায়গা বাইক এ নিয়ে নিয়েছে । আগামী বছগুলোতে বেশ ভালো ভাবেই বায়ুদূষণ হবে এই গ্রামগুলোতে। প্রায় প্রতি বছরই গ্রামে আমার আসা অন্যান্য বছরের তুলনায় এবছর এর দেখে মনে হলো অনেককিছুই হারিয়ে গেছে এই গ্রামবাংলা থেকে এবং অদূর ভবিষ্যতে আর ও অনেককিছু হারাবো।

তবে হ্যাঁ পুকুরে একসাথে স্নান করা বিকেল এ মাঠ এ খেলতে যাওয়া; এমন ই কিছু জিনিস বদলায়নি এখনও । বলা যায় না যে ভবিষ্যতে জিনিস গুলো থাকবে কি না!! না কি ইন্টারনেট র দুনিয়ায় ডুবে যাবে সকলের প্রিয় গ্রামবাংলা।

আমাদের সকলের প্রিয় গ্রামবাংলা শহরের দূষণের সাজে সেজে উঠছে । বেশি দূর নেই সেই সময় যখন দূষণ গ্রামবাংলা তেও রাজ করবে।।

Subhadip Mondal
2nd Year - BPT

Students' Voice- NIHS

HARNESSING NANO MAGNETS FOR CUTTING-EDGE CANCER THERAPY



Cancer remains one of the most formidable challenges in modern medicine. Despite significant advancements in treatments over the years, researchers are continually seeking innovative approaches to enhance the precision and efficacy of cancer therapy. One such groundbreaking technology that has emerged is the use of Nano magnets for cancer therapy. This cutting-edge technique holds the promise of revolutionizing cancer treatment by targeting tumors with remarkable precision while minimizing damage to healthy tissues.

Understanding Nano magnets

Nano magnets are tiny magnetic particles, often less than 100 nanometers in size. Their unique properties, such as superparamagnetism, allow them to be manipulated by external magnetic fields. Researchers have capitalized on these properties to design Nano magnet based systems for various applications, including cancer therapy.

How Nano magnets Target Cancer Cells

Nano magnets offer a novel approach to cancer therapy by combining the principles of magnetism and drug delivery. Here's how it works:

•Targeting

Magnetic nanoparticles are coated with molecules that specifically bind to cancer cells. These particles are then introduced into the body, either through injection or ingestion.

•Accumulation

Once in the bloodstream, the Nano magnets are guided to the tumor site using external magnetic fields. This selective targeting ensures that a higher concentration of therapeutic agents reaches the cancer cells while sparing healthy tissue.

• Drug release

At the tumor site, the Nano magnets release their cargo, which can include chemotherapy drugs, hyperthermia agents, or even genes for gene therapy. This localized drug delivery minimizes systemic side effects.

Advantages of Nano magnet Based Cancer Therapy

•Precision

Nano magnet based therapy allows for precise targeting of cancer cells, reducing damage to surrounding healthy tissues and minimizing side effects.

•Enhanced drug delivery

By concentrating therapeutic agents at the tumor site, Nano magnets can improve the efficacy of treatment while reducing the required drug dosage.

Students' Voice- NIHS

•**Reduced systemic toxicity**

Since the therapy primarily affects cancer cells, patients may experience fewer side effects commonly associated with traditional chemotherapy.

Challenges and Future Directions

While Nano magnet based cancer therapy holds great promise, it's not without its challenges

• **Safety concerns**

Ensuring the biocompatibility and long-term safety of Nano magnets in the body remains a crucial concern.

• **Regulatory hurdles**

Developing rigorous safety and efficacy standards for Nano magnet based therapies is essential for their clinical translation.

• **Targeting accuracy**

Achieving precise targeting of tumors, especially in deep-seated or small lesions, remains a technical challenge.

Conclusion

Nano magnets represent a cutting-edge approach to cancer therapy, offering precision, enhanced drug delivery, and reduced side effects. While there are still hurdles to overcome, the potential benefits of this technology are undeniable. As research and development continue, Nano magnet based cancer therapy may soon become a powerful weapon in the fight against cancer, offering hope to patients and researchers alike.

Susmit Roy
3rd Year - BPT

Students' Voice- NIHS

ARTIFICIAL INTELLIGENCE: A DOUBLE EDGED SWORD



'Search it up on Chat GPT' said Harish to his younger brother Girish.

Girish was a smart boy in middle school. One thing that everyone liked about him was his grit; the urge and dedication he had in him. He was always motivated and eager to learn new things. Being studious and driven, he sometimes used to take the help from his elder brother Harish in completing his homeworks or solving doubts.

One day Harish was busy revising a topic as he was having exam the next day. Girish was also finishing his homeworks when he had a doubt on a small topic. He asked about it to his elder brother. Out of anxiety and panic Harish scolded his brother saying him to solve his doubts himself and not bother him anymore. He added that if he needed help, he should use Chat GPT'.

Girish was new to this term 'Chat GPT'. Out of curiosity he searched it up on Google and found it. He asked his doubts there and got it answered and solved in a couple of seconds. "Wow this is faster and more accurate than my brother" he said to himself. The next day he was complimented by his teacher in the school because the answers that he had written in his homeworks and assignments were accurate.

Now Harish had tried to get away from his brother's questions so he had suggested him to use Chat GPT' and Girish being curious took the help from there. Little did any of them know that 'Curiosity might sooner or later kill the cat'. Girish slowly started getting too dependent on the application in finishing his homeworks faster. He didn't even realise that the application was no longer solving his doubts; it was rather doing all his homeworks.

He was so fascinated at how fast the application gave answers that he no longer let the questions get to his mind. No efforts were given by him in studying or finishing his assignments. After all, who wouldn't like to be spoonfed ! Exactly... the ones who have enjoyed the process of eating by their own. Gradually his grades started dropping. This was always supposed to happen as he was so dependent that he didn't bother to study. He no longer had any idea of what topic was done in the class as he no more needed to know it to complete the assignments.

One day his parents got a call from his school. It was his Principal who immediately wanted to meet his parents. Girish had failed in his Final semester exams. The teacher was shocked at what had happened. The teachers were suspicious of him because his assignments were complete and correct but his answer scripts said a different story.

His mother started crying at her child's tragic downfall. Out of embarrassment and panic, Girish broke down in front of everyone. He admitted in front of everyone, everything he had done. He realised it was always wrong of him to get dependent on that application. But alas it was too late and he had to sit for the retests. This shows that Chat GPT, AI and every other thing can be a blessing for us if we do not get over- dependent on them. Dependency is like building a house on someone else's land. It is not a stable foundation.

Ayush Goswami
2nd Year - BPT

Students' Voice- NIHS

স্বপ্নতরী



স্বপ্ন আমার প্রাতঃবেলায়
মনের কোণে দেয় ঊঁকি,
জানতে কী চাও সবই আমার
আপন ভোলা মন পাখি।
স্বপ্নপুরীর প্রাঙ্গনেতে।
স্বপ্ন ওড়াই আপন মনে,
চিত্ত আমার বিভোর তারই
প্রাণচাঞ্চল তরণীতে।
নভনীলে উড়তে যে চাই
খোলা প্রাণে হারিয়ে যে যাই,
আকাশ পাহাড় বার্না নদী
উদার হতে চাই যে আমি।
প্রভাত সূর্য শিখর হতে
দীপ্তি ছড়ায় রঙ্গনেতে
শিখর চূড়ায় তার সমান
হতে চাই যে মৌন মহান।
তটিনীর মতো আপন মনে
ফিরতে যে চাই অঙ্গনেতে,
নির্মল হতে চাই যে আমি
শশধরের জোছনাতে।
অরুণ আমার পথের সখী
পক্ষীর মতো যেথায় খুশী
দাস্তিকতাকে মুছতে যে চাই
সমীরনের মুক্ততাতে।

Tuyet Panda
2nd Year - BPT

Students' Voice- NIMS

ARTIFICIAL INTELLIGENCE & EDUCATION: A NEW COLLABORATION



Artificial Intelligence (AI) is being used in education to enhance learning experiences. AI enhances the personalization of student learning programs and courses, promotes tutoring by helping students improve their weak spots and sharpen their skills, ensures quick responses between teachers and students, and enhances universal 24/7 learning access.

Personalization is a significant trend in education. AI gives students a customized learning approach depending on their unique preferences and experiences. AI can adjust to every student's knowledge level, desired goals, and learning speed to help in get the most out of their learning. Additionally, AI-powered solutions can assess a student's learning history, pinpoint weaknesses, and provide courses suitable for improvement, offering many opportunities for personalized learning experiences.

AI breaks down the silos between schools and traditional grade levels. Through AI tools, classrooms are now globally available to students, including those with visual or hearing impairments or who use different languages. Using a PowerPoint plugin like Presentation Translator, learners get real-time subtitles for all the teacher says, opening up new possibilities for the learners who have to learn at varying levels, want to learn subjects that aren't in their school or are absent from school.

A virtual learning environment can provide group educational experiences, offer counseling services to students, and facilitate immersive learning experiences. With VR technologies, learners can directly connect their laptops or mobile devices to access the content. Using VR headsets, students with ADHD/ ADD can block distractions and increase concentration spans. In addition, students can help others in soft skill coaching, self-development, and life skills with interactive simulations.

Some AI tools and their uses for students

Google Assistant and Siri

These AI-powered virtual assistants can help students with tasks like setting reminders, searching the web for information, and answering questions.

Grammarly

This AI tool assists students in improving their writing by offering grammar and style suggestions.

Duo lingo

An AI-driven language learning app that provides personalized lessons and exercises for students learning new languages.

Students' Voice- NIMS

Khan Academy

Offers personalized learning experiences through AI, providing lessons and practice problems in subjects like math and science.

Quizlet

Uses AI to help students create flashcards and practice quizzes to enhance their study and memorization.

Turn tin

An AI-powered plagiarism checker that helps students maintain academic integrity by checking their work for originality.

Math way

A math problem-solving app that uses AI to provide step-by-step solutions to math problems.

ChatGPT

Can provide answers to questions, explanations, and assistance with a wide range of topics, making it a useful tool for students seeking information and help with assignments.

Scribe Sense

AI-based note-taking tools that can transcribe handwritten notes into digital text, making it easier for students to organize and search their notes.

Read Write

This tool offers text-to-speech and other reading support for students with learning disabilities.

Brainly

A platform where students can ask and answer academic questions with the help of AI.

These AI tools can support students in various aspects of their academic journey, from learning and studying to organization and writing improvement. Overall, AI is becoming an integral part of modern education and can enhance students' learning experiences and future prospects.

The main role of AI in education is the automation of both academic and administrative tasks, personalized learning, smart content, and all-time accessibility. Over the course of time, AI has resolved the issue of accessibility in several fields like health, environment, etc. India's potential for AI growth has made it unavoidable for the country to integrate technology into education in order to take advantage of it and better educate India's young people for the future.

Diya Jain
3rd Semester - BBA

Students' Voice- NIMS

EXPLORING THE EXCITING TECHNOLOGY TRENDS SHAPING OUR FUTURE



Technology is the driving force behind practically every element of our lives in today's world, which is continually expanding. Technology keeps profoundly altering our world, from the ways we work and communicate to the goods and services we utilize. As time goes on, a number of big technological developments are emerging, each of which promises to have a substantial influence on our future. We'll look at a few of these fascinating technological developments that are reshaping the world as we know it in this post.

• **Machine Learning and Artificial Intelligence (AI)**

Artificial intelligence (AI) and machine learning, once on the horizon, now lead the charge in technological advancement. Revolutionizing sectors like healthcare, finance, manufacturing, and transportation, these technologies analyse vast datasets, predict the future, automate repetitive tasks, and engage in natural language interactions. Anticipate a future of more personalized experiences, enhanced decision-making, and creative applications across diverse industries as AI continues to evolve.

• **5G Connectivity**

We are connecting and communicating in entirely new ways as 5G networks are deployed. This technology enables the seamless integration of IoT devices, autonomous vehicles, and smart cities by providing a quicker and more dependable internet connection. We may anticipate more realistic augmented and virtual reality experiences, real-time remote collaboration, and a variety of new possibilities in the digital sphere thanks to 5G's low latency and high bandwidth.

• **Internet of Things (IOT)**

With billions of gadgets connected to the internet, including wearable fitness trackers, smart thermostats, industrial sensors, and autonomous drones, the Internet of Things is growing quickly. IOT has the potential to advance convenience, lower prices, and increase efficiency across a range of industries, including logistics, agriculture, and healthcare. Decision-making will become more intelligent, and systems will become more responsive as a result of the ability to gather and analyze data from linked devices.

• **Block Chain and Crypto Currency**

Block chain technology, which is best known for supporting crypto currencies like Bit coin, is finding uses far beyond virtual money. It is useful in voting systems, financial services, and supply chain management because it provides safe, open, and tamper-proof record-keeping. As an alternate means of investment and payment, crypto currencies are continuing to gain popularity and pose a threat to established financial systems.

Students' Voice- NIMS

• **Cyber Security and Privacy**

We now rely more heavily on technology, which increases the need for strong cyber security measures. Protecting sensitive information is essential given the growing threat of cyber-attacks and data breaches. To protect our digital lives and uphold public confidence in technology, cyber security innovations are crucial. These include biometric authentication, sophisticated encryption techniques, and AI-driven threat detection.

• **Green Technology and Sustainability**

Green technology has significantly advanced as a result of the pressing need to combat climate change. Solar and wind power are two examples of sustainable energy sources that are becoming more accessible and popular. A greener future is also being aided by advancements in energy storage, electric transportation, and sustainable materials. In order to reduce our carbon footprint and address environmental issues, technology is essential.

• **Augmented Reality (AR) and Virtual Reality (VR)**

The way we engage with the digital world is about to undergo a transformation because of augmented and virtual reality technologies. AR improves experiences in industries including gaming, education, and retail by superimposing digital information over the physical world. Immersive digital environments are created via VR, which has uses in entertainment, training, and rehabilitation. These innovations could fundamentally alter the way we study, work, and pass time.

Conclusion

The rate of technological development is still accelerating. The patterns mentioned in this essay are simply a preview of what is ahead. It is critical to use technology's power properly and ethically as it continues to change our world. Although there are exciting possibilities for innovation and progress in many areas of our lives because of these developments, there are also difficulties and moral issues that require serious examination. The key to creating a better and more sustainable future will be embracing these technological developments while addressing the hazards they pose.

Ankush Bag
1st Semester - BCA

Students' Voice- NIMS

IS AI REAL?



"Artificial intelligence is not a substitute for human intelligence, it is a tool to amplify human creativity and ingenuity" Fei-Fei Li

Artificial intelligence is pretty much what it sounds like: Intelligence that didn't happen naturally, instead it is created by humans to allow the computer to mimic human behaviour. AI can receive information from the world around it and react to it, but it cannot store that information and use it to grow and become complex over time. Siri and Alexa are good examples of AI - they can answer queries from their users, but they don't get to know their users over time, learning their wants and anticipating their needs.

AI have been implemented in robots and the robots are manufactured because of their efficiency and productivity in working conditions. They formed a huge leap in our lives as they became part of many workplaces. Moreover, they can implement a wide variety of tasks successfully in a record time compared to human performance. However, some believe that robotics will have unfavorable impact on the workplace, because people believe their jobs are in danger.

Even though AI not being a real human, AI is now tasked with activities humans used to do, Something which was created for human help and to increase the productivity of humans is now replacing the humans on the factor of "Productivity" , For example - Modernized homes using AI to turn lights on and off , Using vacuum cleaners helped by AI and sensors , Using self-driving cars which are driving by the help of AI.

From day to day life activities to major professions around the world is now being taken over by AI. Japan and Singapore are leading in replacing human waiters for AI implemented robot waiters. Softbank Robotics (SBRG) and chain's keen on robotics are working together to make robot waiters widely available in Japan and Singapore.

Furthermore, countries like USA, China, Canada, Russia, United Kingdom, and Germany have implemented AI in hospitals and some started using AI implemented robots as nurses.

Most common uses of AI in healthcare are:-

AI powered ultrasound, AI powered tuberculosis, AI powered diagnosis of malaria, AI powered tele dermatology, and so on.

While AI may be more productive than humans in the works they have replaced humans but there are major concerns when it comes to AI replacing human workforce:-

Technological Displacement

Historically, now technologies have displaced certain job roles , forcing human to adapt or face unemployment. With AI's ability to automate repetitive and routine tasks , there is a legitimate concern that jobs across various sectors could be rendered obsolete.

Students' Voice- NIMS

Economic Impact and Income Inequality

While AI has the potential to drive economic growth and increase productivity, the benefits may not be evenly distributed. As the wealth generated by AI could concentrate in the hands of a few while many workers struggle to find alternative employment opportunities.

Lack of human touch

Another aspect that concerns people is the fear that AI lacks human touch that is often required in various professions. Jobs that involve empathy, creativity, critical thinking, and emotional intelligence.

However, there is still unease about the idea of entrusting important tasks such as healthcare, counselling, or even creative endeavours, to machines. Many individuals value the personal connection and the human element that comes with interacting with fellow human beings.

Ethical concerns and Bias

As AI becomes more pervasive, there are worries about the potential for bias and discrimination embedded within algorithms. If AI systems are trained on biased data or if they perpetuate existing social inequalities, it could have significant consequences. Furthermore, concerns about job replacement by AI are compounded when algorithms themselves make decisions that profoundly impact individuals' lives such as hiring, loan approval, or legal judgements without transparency or accountability.

AI is a set of algorithms that helps humans and does not replace humans, we should focus on harnessing AI's full potential to create a future where humans and machines work together synergistically. Emotions and feelings are something which humans need constantly and to take away all that by substituting humans with AI specially in certain professions such as doctors, nurses, teachers, waiters, chefs, drivers etc. will significantly affect humans.

"AI is good at describing the world as it is today with all of its biases, but it does not know how the world should be" - Joanne Chen

Syed Kabir Islam
3rd Semester - BBA

Students' Voice- NIMS

NIMS ECHOES OF EXCELLENCE



In the Communis hall of NIMS
Our journey began,
First year of college
Where dreams first ran.
At Nopany Institute
We take our stride,
Learning and growing
Side by side .

With professors wise
And guidance near,
We embrace knowledge
Without fear.
Nurturing potential
Year after year,
NIMS our college
Holds us dear.

In NIMS college
BHM students thrive,
Learning to manage
In healthcare they'll drive.
With hearts full of empathy
And skills refined,
They'll lead hospitals forward
In every design.

BBA students
A dynamic crew,
With business acumen
They know what to pursue.
Leaders of tomorrow
With ambitions so grand,
In NIMS they thrive
Across every land.

BCA students
Pave the way,
With code and algorithms
They seize the day.
In the world of tech
Their skills take flight,
In NIMS they shine
With knowledge and might.

So here's to NIMS
Our academic home,
Where Dreams and Aspirations
Freely roam.
At NIMS college
Where dreams take flight,
Learning embraces us
To find our guiding light.

Tanisha Saha
1st Semester - BBA(HM)

Students' Voice- NIMS

DIGITAL DELIGHTS



The past three years have witnessed a rapid surge in Over-the-Top (OTT) streaming platforms, such as Netflix, Amazon Prime, Hotstar, and Zee5, reshaping the landscape of entertainment consumption. This rise poses a significant challenge to the traditional cinema theatre industry. The onset of the COVID-19 pandemic exacerbated the situation, with widespread theatre closures during lockdowns. Theatre owners feared that the allure of the cinema experience would wane, as digital platforms offered an alternative, potentially reducing theatre attendance.

However, the post-pandemic scenario has presented a counter-narrative, with many movies experiencing substantial box office success, contributing to the overall revenue of the entertainment industry. Despite India's strong affinity for theatre-based movie viewing, the growing dominance of OTT platforms raises concerns about the future of cinema theatres, which are already grappling with substantial revenue losses due to lockdowns.

According to a Times of India article, the surge in OTT platforms has disrupted traditional entertainment methods, accelerated by the COVID-19 pandemic and lockdowns. Online streaming services offer diverse content, allowing viewers to experiment with various genres, a flexibility lacking in traditional television. The convenience of technology, such as Smart TVs and Chromecast, further contributes to the decline of traditional television subscriptions.

OTT platforms have not only transformed content creation, distribution, and consumption but also altered revenue models and empowered content creators. The industry is witnessing a transformation where traditional players need to adapt to the evolving landscape while navigating the challenges brought by OTT platforms. In this evolving media landscape, the future of entertainment hinges on a delicate balance between traditional and digital platforms. Individuals aspiring to succeed in the media industry are increasingly considering the development of their own OTT platforms. Fire Colours, a leading OTT App Development Company, offers over five years of experience, providing end-to-end solutions for businesses looking to establish their own OTT platforms.

Manavi Bhagat
3rd Semester - BBA

Students' Voice- NIMS

THE IMPACT OF AI IN INFORMATION TECHNOLOGY INDUSTRY



In today's fast-paced digital world, the information technology (IT) industry is at the forefront of innovation, thanks in large part to the incredible advancements in artificial intelligence (AI). As college students explore potential career paths, it's essential to understand the profound impact AI is having on the IT industry and how it's shaping the jobs of tomorrow. AI has become the cornerstone of IT operations, revolutionizing the way companies manage their networks and systems. Machine learning algorithms can predict and prevent system failures, enabling businesses to maintain uninterrupted services. This means fewer late-night server crashes and more efficient IT workflows.

As we spend more of our lives online, cyber security has never been more critical. AI is playing a pivotal role in bolstering defences against cyber threats. It can detect anomalies in real-time and respond rapidly, protecting sensitive data from hackers. For college students interested in cyber security, AI offers exciting career opportunities. AI is automating routine and mundane tasks in IT, freeing up human resources to focus on more strategic and creative aspects of their work. This automation includes software updates, data entry, and even basic troubleshooting. This means IT professionals can spend more time on innovation and problem-solving. AI-driven algorithms analyse vast amounts of data to offer personalized customer experiences. In the IT industry, this translates to more efficient and tailored solutions for users. From Chatbot providing instant IT support to recommendation engines improving user experiences, AI is all about delivering what users want.

The integration of AI into the IT industry opens up exciting career opportunities for college graduates. Roles such as AI engineer, data scientist, machine learning specialist, and AI ethics consultant are on the rise. These roles require a strong understanding of AI principles, making them a valuable skill set for the future. While AI brings immense benefits, it also raises ethical concerns. As future IT professionals, it's crucial to consider the responsible development and deployment of AI technologies. Ethical considerations, such as bias in AI algorithms and data privacy, will continue to be hot topics in the industry.

In conclusion, the impact of AI in the IT industry cannot be overstated. It's transforming the way businesses operate, enhancing security, and creating exciting career opportunities for college students. Embracing AI and staying informed about its ethical implications will be key for future IT professionals. As you embark on your career journey, remember that AI is not just a tool but a powerful force shaping the IT landscape of tomorrow. As college students, you are in a prime position to harness the potential of AI and drive innovation in the IT industry. Embrace the opportunities it offers, and you'll be well-prepared for a dynamic and rewarding career in the ever-evolving world of technology.

Harsh Raj Singh
1st Semester - BCA

Students' Voice- NIMS

ARTIFICIAL INTELLIGENCE: IS IT REAL OR NOT?



The concept of artificial intelligence (AI) has been around for decades, but it has only recently become a reality. AI is a form of computer science that enables machines to think and act like humans. It is a rapidly growing field of technology that is being used in a variety of industries, from healthcare to finance.

At its core, AI is a set of algorithms and software that can be used to solve complex problems. AI can be used to automate tasks, such as recognizing patterns in data or making decisions based on past experiences. AI can also be used to create virtual assistants, such as Amazon's Alexa or Apple's Siri, which can respond to voice commands.

The potential of AI is immense. It can be used to improve the accuracy of medical diagnoses, optimize energy usage, and even create autonomous vehicles. AI can also be used to create virtual personal assistants that can help with everyday tasks, such as scheduling appointments or ordering groceries.

However, AI is not without its critics. Some worry that AI could lead to job losses, as machines become increasingly capable of performing tasks that were once done by humans. Others worry that AI could be used for malicious purposes, such as creating autonomous weapons or manipulating public opinion.

Despite these concerns, AI is here to stay. It is already being used in a variety of industries, and its potential is only beginning to be realized. As AI continues to evolve, it will become increasingly important to understand its implications and ensure that it is used responsibly.

Whether you believe AI is real or not, one thing is certain: it is here to stay. As AI continues to evolve, it will become increasingly important to understand its implications and ensure that it is used responsibly.

Amisha Saha
3rd Semester - BBA(HM)

Students' Voice- NIMS

ESPORTS



Esports, born out of multiplayer gaming, has metamorphosed into a global sensation, gaining widespread acclaim through platforms like YouTube and Twitch. Key players in the gaming industry, like Riot and Tencent, have been pivotal in shaping this evolution by diversifying genres and orchestrating competitions across MOBA, FPS, and Battle Royale games. Iconic titles like League of Legends and CS:GO have not only amassed colossal viewership but have also hosted prestigious global tournaments, setting records that reverberate across the gaming landscape.

In contrast to the global surge in Esports, India's initial venture into the domain encountered scepticism. Until 2018, prevalent sentiments portrayed mobile phones and games as detrimental, causing parents to discourage their children from participating. The Indian esports scene mirrored this scepticism with limited events, a modest player base, and minimal viewership. However, the tide turned dramatically in 2018 with Tencent's launch of PUBG Mobile, a Battle Royale sensation. In a mere 1-2 months, the game went viral, creating a fervor as players energetically climbed the ranks. Esports platforms took notice, signing players for tournaments, and organizers swiftly began hosting events. Within six months, the Indian esports landscape witnessed an unprecedented surge in growth, attracting substantial sponsorships.

Central to this growth was the accessibility facilitated by companies like Jio, offering affordable internet, coupled with the burgeoning popularity of mobile gaming. Livestreaming became a cornerstone of the ecosystem, with players broadcasting their gameplay across various platforms. However, the focus remained predominantly on mobile esports, primarily due to economic constraints hindering widespread adoption of PC gaming.

The gaming landscape underwent a seismic shift in 2020 when the global COVID-19 pandemic necessitated widespread lockdowns. With individuals confined to their homes, the demand for entertainment skyrocketed. Esports emerged as a prominent source of diversion, with online-streamed events amassing significant viewership. Capitalizing on this trend, Riot Games introduced 'Valorant,' a 5v5 FPS game that resonated deeply with the audience. Simultaneously, as people acquired laptops for remote work and online classes, PC gaming experienced a surge, reshaping the dynamics of the Indian esports scene.

In a historic move in 2022, the Indian government formally recognized esports as a sport, placing it on par with mainstream sports like cricket and football. Esports achieved a pivotal milestone, debuting as an official medal sport at the Asian Games and as a pilot event at the Commonwealth Games. Notably, the Indian DOTA 2 team clinched bronze at the Commonwealth Esports Championship, marking a significant achievement.

Students' Voice- NIMS

Esports, while inherently rooted in video games, distinguishes itself through skilled athletes competing individually or in teams for prizes, positions, and global recognition. Popular titles like PUBG, Counter-Strike, Fortnite, and Valorant have become synonymous with the esports landscape. The industry's viewership-centric nature has positioned it alongside major entertainment avenues, exemplified by events organized by companies like NODWIN Gaming being televised on platforms such as Star Sports 2, amassing millions of views.

Looking ahead, the future holds promise for the Indian digital gaming industry, projected to reach ₹1,100 crore by 2025 with a Compound Annual Growth Rate (CAGR) of 46%. Esports, standing at the forefront of this growth, is propelled by the unwavering dedication of gamers and sustained support from sponsors and viewers, paving the way for a luminous and thriving future.

Sandeep Mohanty
1st Semester - BBA

Students' Voice- NIMS

AI UNLEASHED



AI, or artificial intelligence, replicates human-like cognitive processes using data and algorithms, finding significant application in sectors like education, transportation, finance, and healthcare. Its evolution traces back to the mid-20th century, with Dartmouth Research Centre coining the term "artificial intelligence."

The 1960s and 1970s saw challenges in AI, leading to the prominence of symbolic AI, utilizing formal logic. The 1980s to the 1990s witnessed progress in neural networks and machine learning but faced setbacks, known as "AI Winter." Late 1990s advancements, including IBM's Deep Blue defeating Garry Kasparov, marked milestones.

Post-2010, companies like Google and Amazon launched AI-driven innovations like voice-activated virtual assistants. The pandemic accelerated AI growth, with OpenAI's ChatGPT, launched in November 2022, playing a pivotal role in introducing AI to the public.

Concerns about AI replacing jobs are debated by figures like Bill Gates and Mark Zuckerberg, who foresee both job displacement and creation. However, AI's limitations include a lack of entrepreneurship capabilities and emotional intelligence (EQ), crucial for roles involving human nuances.

The theoretical concept of Artificial Super Intelligence (ASI), surpassing human intelligence, raises ethical and existential questions. Despite speculations, OpenAI's CEO, Sam Altman, emphasizes the unpredictability of ASI's future.

In conclusion, AI's growth is relentless and designed for self-improvement. While the cognitive revolution is embraced, concerns about AI remain hypothetical, urging responsible development in the evolving AI landscape.

Raghav Podder
3rd Semester - BCA

Students' Voice- NIMS

CHANDRAYAAN-3: INDIA'S TRIUMPH IN LUNAR EXPLORATION



In February 2021, India announced its plans for Chandrayaan-3, the third mission in its lunar exploration program. This endeavor marked a significant chapter in India's space exploration journey, with a focus on rectifying the challenges faced during the Chandrayaan-2 mission. Chandrayaan-3, which successfully launched on 14 July 2023, stands as a testament to India's commitment to lunar exploration and its ability to learn from past experiences.

The Chandrayaan-2 mission, launched in July 2019, had encountered difficulties during its descent phase. The Vikram lander, carrying the Pragyan rover, lost communication with mission control just 2.1 kilometers above the lunar surface. While the orbiter component continued to perform admirably, the failure of the lander was a setback.

India's space agency, the Indian Space Research Organization (ISRO), didn't lose heart. They swiftly embarked on a plan to rectify past mistakes and set the stage for Chandrayaan-3. The goal was clear: successfully land on the Moon, demonstrating India's capability to perform a soft lunar landing.

One of the key lessons from Chandrayaan-2 was the need for redundancy and robustness in communication systems. Chandrayaan-3 was designed with enhanced communication architecture to ensure continuous and reliable contact between mission control and the lander throughout its descent.

Another critical aspect of Chandrayaan-3's success story was meticulous testing and simulations. ISRO engineers conducted countless simulations of the landing process to anticipate and address potential challenges. These simulations helped fine-tune the lander's descent trajectory and ensure a safe landing.

Chandrayaan-3's launch, carried out atop the GSLV Mk III rocket, was a moment of national pride. As the rocket roared into the sky, it carried not only India's scientific aspirations but also the hope of rectifying past setbacks. The launch vehicle performed flawlessly, injecting the Chandrayaan-3 spacecraft into a precise lunar trajectory.

The landing site chosen for Chandrayaan-3 was the lunar South Pole, a region of great scientific interest due to its potential water ice deposits and unique geological features. The lander, named Vikram 2 in homage to its predecessor, began its descent on August 23, 2023.

This time, the world held its breath as Vikram 2 descended towards the lunar surface. The lessons learned from Chandrayaan-2 were evident as the lander steadily approached its landing site. The enhanced communication systems ensured uninterrupted updates on its status.

Students' Voice- NIMS

As Vikram 2 touched down on the lunar surface, cheers erupted at ISRO's mission control. India had achieved a historic moment, successfully landing a spacecraft on the Moon. The Pragyan 2 rover, equipped with scientific instruments, rolled out onto the lunar surface to begin its mission of exploration and data collection.

Chandrayaan-3's success was not only a technological achievement but also a testament to India's resilience and determination. It showcased ISRO's ability to learn from past failures, adapt, and overcome challenges. The international scientific community hailed India's achievement, recognizing the valuable contributions Chandrayaan-3 would make to lunar science.

The mission's scientific objectives were ambitious. Pragyan 2 was equipped with advanced instruments to analyze lunar soil and study the Moon's geology. It aimed to provide crucial insights into the Moon's history, evolution, and potential resources.

Chandrayaan-3 also carried instruments to study the Moon's thin exosphere, providing data that could aid future lunar missions and even lunar resource utilization projects. Additionally, it was designed to contribute to our understanding of the Moon's water resources, which are of immense importance for future lunar exploration and potentially even human habitation.

The success of Chandrayaan-3 was not just confined to scientific endeavors. It also inspired a new generation of scientists and engineers in India and around the world. The mission underscored the importance of perseverance in the face of challenges and the value of learning from past experiences.

Chandrayaan-3 stands as a remarkable success story in India's lunar exploration program. It not only rectified past setbacks but also demonstrated India's technological prowess and its commitment to advancing scientific knowledge. As Vikram 2 and Pragyan 2 continue their work on the lunar surface, the world eagerly awaits the discoveries they will make and the new horizons they will open in our understanding of the Moon and the broader cosmos. Chandrayaan-3 is a shining example of what can be achieved through determination, innovation, and the pursuit of knowledge.

Shivam Kumar Jha
1st Semester - BCA

Students' Voice- NIMS

"विभिन्न रंगों की खोज: जीवन की मंजिलों की ओर"



कितने सहज तरीके से राज छिपते हैं आंखों में,
जैसा तुम समझना चाहों वैसा अर्थ रखते हैं हम बातों
में,
खुद आगे किसीको रखता नहीं, अपनी खामियों से
मैं बचता नहीं।
तुम मान लो सामान्य मेरी आभा को, तुम्हारा मानना
मायने रखता नहीं।

तारीफ पसंद नहीं खुदकी, अपना आकलन मंद मंद
करता हूँ,
मैं वो हूँ जो अद्वितीय होकर भी आम कहलाने का
हुनर रखता हूँ।
शांत रहता ज़्यादा, शब्द मैं आसानी से अब खर्चता
नहीं,
तैयार हूँ ईश से मुलाकात को भी, अब आखिरत से
मैं डरता नहीं।

कुछ बातें समझ जाते सारे, तो यह दुनिया कितनी
हसीन होती;
माफ़ी रखते जुबान पर सारे, तो न टूटते दिल, न
बहते आंखों से गम के मोती,
डूब रहे खुद के दर्पण से ज़्यादा दूसरों के आवरण में
सारे, सफेद में रहते हैं खुश, दुःख को समझते
कालापन,
अज्ञात है इस जीवन के भिन्न रंगों से बेचारे।

यू बाकियों की गलतीयाँ गिना रहा, तो अपनी भी
चूक का ज़िक्र करता हूँ...
भरोसा करने से हमेशा हिचकिचाता रहा, कहता
नहीं, पर अकेलेपन से मैं भी डरता हूँ।
दर्शाता नहीं, पर सबकी फ़िक्र खाती है मुझे,

सुलझा सा दिखता जरूर हूँ पर मन के
भीतर कई गाँठ पड़े
हैं आपस में उलझे।
थोकर खाँऊ तब भी नहीं टूटता;
गैरों से क्या, मैं वो स्वयं के गुनहगारों से भी
नहीं रूठता। अपना दिल दिखा सकूँ, इतना
मुझमें साहस कहा?
मैं वो जो औरों की गलती पर भी खुदको
कसूरवार मेहराता रहा।

नज़र बदलो और बदलो अपना नज़रिया
तुम,
खुद को न पहचान सको, इतना मत होना
औरों को आँकने में गुम।
अपने भीतर झाँको, मत झिझको खुदकी
गेहराई नापने से,
जो लोगों को छोड़ खुदकी कमियाँ तराशोगे
तभी तो अंदर बसे अंधेरे को विनाशोगे।
जो सफेद काले का पर्दा हटाओ,
तो दुनिया में बिखरे सारे रंग दिखेंगे;
जो भर के तलाशी यह दरिया,
मोती इस समुंदर में
तुम्हें खूब मिलेंगे।

जो ज़िंदगी को खुली बाहों से अपनाओंगे,
यकीन मानों अपनी मंजिल तक का रास्ता
नज़रों के आगे पाओगे,
थोड़ा भरोसा खुद पे, थोड़ा यकीन खुदा पे
रखो;
तकदीर का लिखा बदल सको, खुदी को
इतना बुलंद करके देखो।

Vaishnabi Jaiswal
1st Semester - BCA

Students' Voice- NIMS

THE ENIGMA OF THE MASKED STRANGER



In the bustling metropolis of Mumbai, where tradition and modernity coexist. In the year 2023, India had transformed into a democratic nation with its own unique challenges, including political corruption that persisted despite the nation's progress.

Our story revolves around four lifelong friends: Arjun, Raj, Ayesha, and Meera, who had grown up together in a lively neighbourhood in the heart of Mumbai. Their camaraderie and unbreakable bond. As adults, they pursued diverse career paths but remained true to their deep-rooted friendship.

One evening, while attending a lavish gala at a luxurious Mumbai hotel, the four friends found themselves unwittingly drawn into a web of intrigue and whispers. Among the city's elite, they overheard hushed conversations about a mysterious prisoner, confined within a heavily guarded facility on the city's outskirts. This prisoner was rumored to be wearing an iron mask to conceal their identity.

Intrigued and fueled by their sense of justice, Arjun, Raj, Ayesha, and Meera embarked on a mission to unravel the truth behind this enigmatic prisoner. Their determination to expose corruption and injustice. As they delved deeper into their investigation, the four friends unearthed a trail of secrets, lies, and political manipulations that led them to believe the masked prisoner was connected to a powerful and corrupt political figure. Their quest for justice, relentless pursuit of truth, and, like their literary counterparts, they encountered danger and intrigue at every turn.

Decryption encrypted messages, discovering hidden files, and conducting covert meetings became the norm as they sought to unveil the identity of the man behind the iron mask. Each member of the group contributed their unique skills and backgrounds to navigate the intricate world of Indian politics and modern technology.

Raj, a brilliant hacker with an uncanny ability to breach even the most secure systems, played a pivotal role in deciphering encrypted communications. Ayesha, a determined investigative journalist with a knack for uncovering hidden truths, used her influence to expose their discoveries to the public.

The friends' journey was fraught with peril, as they navigated the treacherous waters of political power and corruption. They faced threats and intimidation from those who desperately wanted to keep their secrets hidden. As they closed in on revealing the identity of the masked prisoner, their lives were in greater danger than ever before. The powerful figures protecting their secrets were willing to go to great lengths to maintain their grip on power.

Students' Voice- NIMS

In a climactic showdown, the friends confronted the corrupt political figure behind the iron mask in a courtroom, where damning evidence of his wrongdoings was presented to the nation. The revelation sent shock waves through India, and justice was finally served as the corrupt politician was held accountable for his crimes. In the end, the friends' unwavering determination and their deep bond triumphed. They had uncovered the truth, exposed corruption, and left an indelible mark on Mumbai, proving that the spirit of justice and the strength of friendship could conquer even the most formidable challenges of the modern world.

The saga of the masked prisoner and the four friends became a symbol of hope and change in India, inspiring a new generation to stand up against corruption and injustice. In a world where technology and politics often overshadow morality, their story served as a reminder that individuals united by a common purpose could make a difference. As the city of Mumbai continued to evolve, the tale of the masked prisoner and the modern-day musketeers remained a testament to the enduring power of friendship and the unyielding pursuit of justice in an ever-changing world.

Aung Kar

3rd Semester - BBA(HM)

Students' Voice- NIMS

ROLE OF INTERNSHIP IN SHAPING A PROFESSIONAL CAREER



In the contemporary, fiercely competitive job market, crafting a successful career has evolved as a formidable challenge. As a result, the students and the aspiring professionals are tirelessly seeking avenues to gain a competitive edge over others. In this context, Internship has surged in importance in recent times. Internship gives an opportunity to immerse oneself in the actual work milieu and sharpening their skills before embarking on their professional journey.

Skill Enhancement

Internships provide a distinctive opportunity for individuals to first-hand experience in their selected field. Classroom education is no-doubt very helpful, but it imparts only theoretical knowledge. Real essence of learning emerges when this knowledge is put into practice with real-world situations. Internship bridges this gap, allowing the entry level professionals to apply their theoretical heights into practical contributions within a professional work environment.

Professional Networking

Another critical aspect of career development is to build a robust, professional network. Internship provides a genuine platform for collaboration with industry experts. Interns have an opportunity to communicate with the mentors, supervisors, and colleagues, fostering relationships that promises substantial benefits in their future endeavours.

Resume Enhancement

A well-designed Internship can substantially boost an individual's resume. It shows the employers that the individual not only has a robust academic knowledge but also he is ready for the practical demands of the real world. This affords them a distinct competitive advantage among job-seekers, underscoring their ability of smoothly transitioning from classroom to workplace.

Career Clarity

Internships often serve as the testing ground for individuals exploring their career options, providing valuable insights towards the suitability of a particular profession. It furnishes valuable practical job experience, fosters skill refinement and provides clarity in career choices. It also lays the foundation for robust relationships with industry experts, which would benefit in the future endeavours.

Sayan Kundu
1st Semester - BBA

Students' Voice- NIMS

IMPACT OF AI IN OUR DAILY LIFE



The term "AI," or artificial intelligence, coined by MC McCarthy, signifies a technology designed for independent operation through machine learning and deep learning processes, merging computer science with datasets to solve various problems.

AI's integration into smartphones has revolutionized daily life. The technology enhances efficiency by providing GPS navigation for location-based services, optimizing routes, and delivering real-time traffic updates. Additionally, AI simplifies tasks such as payment processes, appointment scheduling, and reminders.

In the digital realm, AI is omnipresent, significantly impacting online activities like shopping, banking transactions, fund transfers, and real-time conversations. AI-driven systems analyze user behavior to offer personalized recommendations, be it in product searches or music playlists.

The medical sphere benefits immensely from AI, contributing to faster diagnoses, personalized treatment plans, and drug discovery. AI is integrated into cancer, diabetes, and cardiovascular disease screenings, showcasing its potential to revolutionize healthcare.

At home, AI plays a crucial role in automation, controlling appliances, managing lighting, watering plants, playing music, and providing news and weather updates. It extends to security measures with applications in security cameras and smart locks, ensuring home safety and sending alerts to homeowners.

In conclusion, AI has become an indispensable part of daily life, impacting various aspects such as communication, healthcare, and home automation. Its influence is poised to grow further in the future, solidifying its status as an integral and transformative technology in our lives.

Rashmi Das
3rd Semester - BCA

Students' Voice- NIMS

OLD LOVE OF MINE



I know it hurts, I know it bleeds,
The wounds would heal but not the scars within,
I needed you the most, when you left me at my worst.
I caught on you tight,
and knew you could put it right
But you left me half, and the other half you buried deep inside the mud.

The painful cry, the lonely nights -
reminds me of you.
The happy moments we spent together loving each other.
The joyous moments of our lives so old,
and these things from my heart will never be sold.

You may hold on tight now to someone else's hand,
You may hug her tight,
right from behind.
You may speak words that will now sound as sweet as honey to her,
But the mixture of gall and myrrh that you have injected in my heart shall never go down.

Days now have turned into months.
Months will turn into years,
You may become new for someone,
but for me you will remain as old as mine....

Debaroti Lahiri
3rd Semester - BBA(HM)

Students' Voice- NIMS

हिन्दी



संस्कृत है इसकी जननी, और उर्दू सखि समान है
हिन्दी में ही है सन्निहित, गीता का हर ज्ञान है
शब्द-अर्थ का भेद बताकर, भेद प्यार से खोलिए।

हिन्दी अपनी गौरव गाथा, हिन्दी ही पहचान है
हिन्दी भाषा ही भारत की आन-बान व शान है।
हर भावों को छन्द बद्ध कर शब्दों में रस घोलिए।

अंग्रेजी हम पढ़े भले पर, बने नहीं अंग्रेज कभी
हिन्दी का हक़ दिलवाएंगे, हम सब यह प्रण करे अभी
छू ले अम्बर आप भले पर, कभी भूमि मत छोड़िए।

प्यारी, न्यारी हिन्दी भाषा लगती बड़ी सलोनी सी

आती है मिट्टी की खुशबू, जिसमें भीनी-भीनी सी
फिर बेमतलब जड़ से कटकर, इधर-उधर मत डोलिए।

करें नहीं अभिमान कभी पर स्वाभिमान जिंदा रखे
फहराये हिन्दी का परचम, विश्व गगन में बिना रुके
अंग्रेजी की सभा में कभी, भले सम्मिलित हो लिये।

जो हम देंगे वही मिलेगा, यही पूर्वजों का देती है तुमको ज्ञान-
प्रसाद

और तुम्हारे भी भविष्य को देगी शुभ संवाद
बनाओ इसे गले का हार
करो अपनी भाषा से प्यार।

Students' Voice- NIMS

TOO MUCH FREEDOM: THE CAUSE OF DESTRUCTION



Have we ever wondered that why the number of suicides are rising daily, why teenage pregnancies are at their peak? Why is the ragging rate rising in India? Well, keeping all these cases and instances, let us first understand the reason behind these disruptions. At times individuals may become the cause of any disruptions by themselves. Not knowing how to handle a problem, people end up messing with it.

Freedom is to experience the complete release from someone or something. Be it any kind of addictions, bad habits, people who rule over us, or the practice of any kind of slavery. etc. Thus when this freedom is misused it leads to destruction. In this modern era where technologies have a high influence on people, it has become a trend to follow the crowd rather than to follow one's heart.

Excessive amounts of certain things can bring down disruption in an individual's life be it excessive salt or virtues like freedom, love etc. The rise in ragging of students, suicides, teenage pregnancies, unwanted and unhealthy relationships are somewhere due to this excessive freedom.

Thus liberty and freedom can go hand in hand and yet cause no harm or danger, but if too much of these are given, then it is like pouring acid into the container and destroying the container itself. As life without freedom means a life in hell, in the same way life with excessive freedom means stepping towards destruction of own self from within. It is rightly mentioned by a poet that nobody dies from the cold which is outside, but the cold from within.

Saurav Ghosh
3rd Semester - BBA(HM)

Students' Voice- NIMS

THE VALUE OF TIME



Time is intangible but an immensely valuable resource that governs our lives. It is a constant force, unrelenting in its passage, and yet, it is a finite commodity that we often take for granted.

The Finite Nature of Time

The most fundamental aspect of time is its finite nature. Each day is comprised of a fixed number of hours, and once a moment has passed, it can never be reclaimed. Unlike other resources, time cannot be bought, stored, or extended. We are all allotted the same 24 hours in a day, making it an equalizer that transcends differences in age, status, or wealth.

Time and Personal Growth

Time is a catalyst for personal growth. It provides the canvas upon which we paint our experiences and learn from them. Through the passage of time, we gain wisdom, maturity, and resilience. It is in the face of challenges and setbacks that we often discover our true potential, and time grants us the opportunity to evolve into better versions of ourselves.

Time and Productivity

Productivity is intricately tied to time management. Those who master the art of allocating their time efficiently tend to accomplish more in less time.

Time and Relationships

Time is the glue that binds relationships. It is through spending quality time with loved ones that we nurture and strengthen these bonds. Neglecting our relationships due to a busy schedule can lead to estrangement and regret.

Time and Opportunities

Opportunities are often transient, and they demand timely action. Procrastination can lead to missed chances and unfulfilled dreams.

Time and Well-being

Neglecting one's health due to a lack of time is a common mistake. However, time invested in self-care, exercise, and a balanced lifestyle is an investment in one's physical and mental well-being. A healthy body and mind enable us to make the most of our time and pursue our aspirations with vigour.

In conclusion, time is an invaluable asset that permeates every facet of our lives. Its finite and irreversible nature underscores its significance. Time is not merely a measure of hours and minutes but a measure of opportunities, experiences, and relationships.

Robin Mondal
1st Semester - BCA

Students' Voice- NIMS

संस्कृति बिन शिक्षा



शिक्षा के कारागार में फंसा था मैं,
दिल में एक ही आश ले बैठा था मैं,
सोच रहा था कोई आए,
मुझे यहां से छुड़ा ले जाए,
कोई खोल दे मेरे चुप्पी के पिंजर को,
बहका के इस बंजर से मंजर को,
तभी पड़ी मेरी आँखों पर संस्कृति की रोशनी,
शब्द मेरे ही थे पर सोच थी नई,
उसने पिंजरे को मेरे ही शब्दों से खोला,
अपनी पोटली से नये शब्दों को टटोला,
निकलते ही मैंने अपने शब्दों को ढूंढा जहां तहां,
इतने में संस्कृति ने मुझसे कुछ कहा,
सुना सा देखता रह गया मैं उसे नज़ारे को,
क्या दोबारा मिलेगी वो इस बंजारे को,
फिर आई शिक्षा की एक नई दौर,
शिक्षा के साथ सुनाई दी संस्कृति की शोर,
लौट आएगी फिर से वो चहल,
अब ना होगी कोई अंजाने की पहल,
जैसे स्याही बिन कलम कहां चल पता है,
ठीक वैसे ही शिक्षा का मज़ा तो संस्कृति के साथ ही आता है...

Shiva Kumar Barnwal
3rd Semester - BBA

Students' Voice- NIMS

THE POWER OF SUBCONSCIOUS MIND



The subconscious mind is a concept in psychology that refers to the part of the mind that operates below the level of conscious awareness. It is the part of your mind that stores information you are not currently thinking about and influences your thoughts, feelings, and behaviour. The miracle-working power of our subconscious mind can heal us of our sickness, making us vital and strong again.

A personal healing will always be the most convincing evidence of our subconscious powers. Within our subconscious depths lie infinite wisdom, infinite power, an infinite supply of all that is necessary. It is waiting there for us to give it development and expression.

Provided you are open-minded and receptive, the infinite intelligence within your subconscious mind can reveal to you everything you need to know at every moment of time and point of space. You can receive new thoughts and ideas, bring forth new inventions, create new works of art.

You will be fascinated to see what happens when you speak authoritatively and with conviction to the irrational movement of your deeper self. Your mind will be flooded with harmony and with peace. The subconscious is subject to the conscious mind. That is why it is called subconscious or subjective.

The treasure house is within you. Look within for the answer to your heart's desire. The great secret possessed by the great men of all ages was their ability to contact and release the powers of their subconscious mind. You can do the same. Your subconscious has answer to all problems. If you suggest to your subconscious prior to sleep, "I want to get up at 6 A.M." it will awaken you at that exact time. Your subconscious mind is the builder of your body and can heal you. Lull yourself to sleep every night with the idea of perfect health, and your subconscious, being your faithful servant will obey you.

Every thought is a cause, and every condition is an effect. We are like a captain navigating a ship. He or she must give the right orders, or the ship is wrecked. In the same way, you must give the right orders (thoughts and images) to your subconscious mind, which controls and governs all your experiences.

Never use such expression as "I can't afford it" or "I can't do this." Your subconscious mind takes you at your word. It sees to it that you do not have the money or the ability to do what you want to do. Affirms, "I can do all things through the power of my subconscious mind."

The law of life is the law of belief. A belief a thought in your mind. Do not believe in things that will harm or hurt you. Believe in the power of your subconscious to heal, inspire, strengthen, and prosper you. According to your belief is it done unto you.

CHANGE YOUR THOUGHTS, AND YOU CHANGE YOUR DESTINY

Madhumita Dutta
3rd Semester - BBA(HM)

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NI Photographers' Gallery





HORIZON
SUBHADIP MONDAL
4th year-BPT



OLD MAN AND THE CAMEL
ARKA MUKHERJEE
3rd year-BPT



COMMON INDIAN KINGFISHER WITH CATCH
SOUMYADEEP GHOSH
2nd year-BPT



RED CRESTED POCHARD COUPLE
SOUMYADEEP GHOSH
2nd year-BPT



AT THE STRIKE OF THE MIDNIGHT
SAMRAT BHATTACHARYA
1st year- BPT



SUNRISE
SOHAM SAHA
1st year- BPT



AS PINK AS A ROSE
SATHI JANA
4th year-BPT



LIFE...
SAUMOJIT ROY
1st year-BPT



CITY LIGHTS
ANKITA HAZRA
1st semester- BBA(HM)



CONFLUENCE OF COLOURS
SAMPURNA MAL
1st semester-BBA(HM)



REFLECTION
SHIVA KUMAR BARNWAL
3rd semester-BBA



SOLITUDE
SURANJAN KUIRY
1st semester-BBA



HUES OF A PASSING DAY
AMISHA SAHA
3rd Semester- BBA(HM)



PAWSITIVELY UNIQUE
RAHUL DHARA
1st semester-BBA(HM)



WHERE HISTORY STANDS STILL
SUNANDITA ROY
1st semester-BBA(HM)



DIVINITY
SURANJAN KUIRY
1st semester-BBA



BLUE AND GREEN
DEBOLINA BASAK
1st semester-BBA(HM)

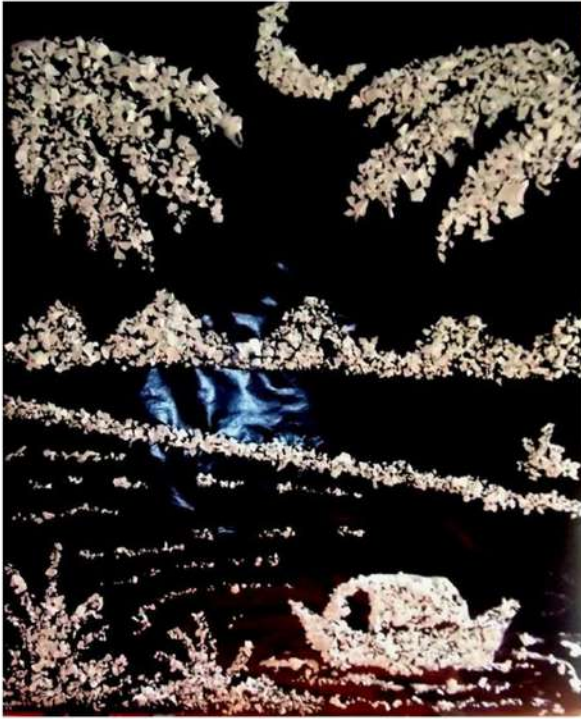


INTENSITY...
SURANJAN KUIRY
1st semester-BBA

The background is a vibrant, abstract composition of various colors including pink, orange, yellow, blue, and purple, with visible brushstrokes and textures. A solid orange rectangular panel is centered over this background, containing the text.

NI

*Artists
Gallery*



EGG SHELL ART WORK
KEYA PAN
Assistant Professor-NIMS



HANDMADE PAPER PAINTING
KEYA PAN
Assistant Professor-NIMS



BLOOM
SUPRIYA MONDAL
1st Semester-BBA(HM)



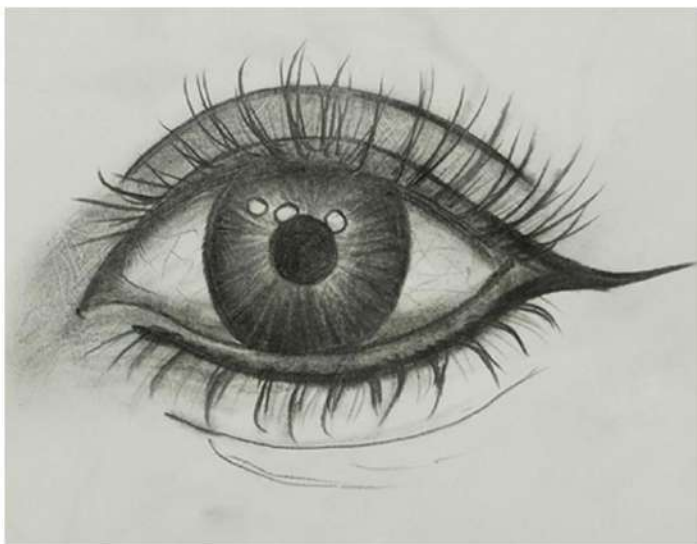
THE GODDESS IN EVERY WOMAN
ANINDITA DAS
1st Semester-BBA(HM)



ANYWAY ANIME
MAYANK CHOMAL
3rd Semester-BBA



PRAY FOR THE PREY
TUHINA DHANG
1st Semester-BBA(HM)



TEARY TALES
TANUSHREE RAKSHIT
1st year-BPT



BODHISATVA
TANUSHREE RAKSHIT
1st year-BPT



"TERA VAACHAN NA JAAYE KHALI"
RUPSHA CHANDRA
1st Semester-BBA(HM)



ALPONA
BABITA MANDAL
1st Year-BPT



BIRDS OF SAME FEATHER
SAYONIKA GHOSH
1st Year-BPT



IN HARMONY
SAYONIKA GHOSH
1st Year-BPT



PAKHI
SUDIPA SAHA
1st Semester-BBA(HM)



MELLIFLUOUS LOVE
NIKHIL SINGH
1st Semester-BBA



FETAL VEGETATION
TUHIN SHUBRA PAL
4th Year-BPT



BLOSSOMING
DIPTOJIT GHOSH
3rd Year-BPT

NOPANY INSTITUTE OF HEALTHCARE STUDIES

AFFILIATED TO THE WBUHS



BPT

**4^{1/2}
YEARS**

ELIGIBILITY: PASSED 10+2 FROM RECOGNISED BOARD/ COUNCIL WITH PHYSICS, CHEMISTRY & BIOLOGY.

MPT

**2
YEARS**

SPECIALIZATION

- (i) Orthopedics**
- (ii) Neurology**

ELIGIBILITY: PASSED BPT/ BSC (PT) FROM ANY RECOGNISED UNIVERSITY WITH ATLEAST 50% MARKS.



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Our Memories



2023



PHOTO GALLERY- NI

Republic Day Celebration on 26.01.2023



PHOTO GALLERY- NI

76th Independence Day Celebration on 15.08.2023



PHOTO GALLERY- NI

'Artificial Intelligence'

Faculty Development Programme at Computer Lab on 14.06.2023



'Advanced Excel & Google Sheet Management'

Faculty Development Programme at Computer Lab

from 26.06.2023 to 30.06.2023



PHOTO GALLERY- NI

‘Data Analytics using Statistical Software & Programming Language’

*Faculty Development Programme at Computer Lab
from 09.05.2023 to 13.05.2023*



PHOTO GALLERY- NI

2nd Saraswati Puja Celebration on 26.01.2023



PHOTO GALLERY- NI

Rabindra Jayanti Celebration on 09.05.2023



PHOTO GALLERY- NI

'Women's Health & Hygiene Awareness' *International Women's Day at Communis on 08.03.2023*



PHOTO GALLERY- NI

*Birth Anniversary of Swami Vivekananda at Communis
on 12.01.2023*



PHOTO GALLERY- NI

Pre Christmas Celebration at Communis on 22.12.2023



Free Eye Check Up Camp organised by ASG Eye Hospital at Communis on 12.06.2023



PHOTO GALLERY- NIHS

'Achelois 2023'

Annual Day Celebration at Nopany High Auditorium on 17.01.2023



PHOTO GALLERY- NIHS

Annual Picnic at Kamala Gardens, Thakurpukur on 13.01.2023



Intra College Competition from 27.11.2023 to 06.12.2023



PHOTO GALLERY- NIHS

*2nd Convocation Day Programme at
Kala Kunj Auditorium on 07.02.2023*



PHOTO GALLERY- NIHS

*Best Physiotherapy Institute awarded
by Zee 24 Ghanta at ITC Sonar on 01.09.2023*



PHOTO GALLERY- NIHS

Free Physiotherapy & Medical Camp at Kulpi on 26.11.2023



PHOTO GALLERY- NIHS

World Disability Day Camp at NIHS on 03.12.2023



PHOTO GALLERY- NIHS

Free Physiotherapy & Mobility Aid Distribution Camp at Chandannagore on 29.01.2023



PHOTO GALLERY- NIMS

Alumni Meet at Shivangan Banquet on 25.11.2023



PHOTO GALLERY- NIMS

*Excellence in Professional & Job Oriented Education
Award by TV 9 Bangla at BBCC on 31.05.2023*



PHOTO GALLERY- NIMS

Vasudha (Greenery Club) members volunteered at the Gram Samriddhi Foundation Exhibition at Milan Mela Prangan from 17.03.2023 to 20.03.2023



Vasudha Club Members participated in Air Quality Workshop by Prof Faye McNeil at Mahajati Sadan on 12.07.2023



PHOTO GALLERY- NIMS

*Sanskriti (Cultural Club) members celebrated
Matri Bhasha Divas at Communis on 21.02.2023*



*Sanskriti members celebrated the home coming of Mother
Goddess with a Pre Puja Celebration on 19.10.2023*



PHOTO GALLERY- NIMS

Kalpanikam (Art & Craft Club) members participated Painting Workshop at Communis on 28.02.2023



Kalpanikam members participated in a Talent Recognition Programme, 'Vision The Invisible' on 12.10.2023



PHOTO GALLERY- NIMS

Montage (Photography Club) members captured the Beauty of Randomness with their lenses



PHOTO GALLERY- NIMS

Induction Programme for Batch 2023 at Communis on 17.08.2023



Foundation Day of NIMS at Communis on 15.07.2023



PHOTO GALLERY- NIMS

Campus Placement Drive for 'Tikona Infinite Limited' for BBA 6th Semester Students on 28.06.23



Campus Placement Drive for 'Jana Small Finance' for BBA 6th Semester Students on 22.12.2023



PHOTO GALLERY- NIMS

‘Easy Does It’ Workshop for Students at NIMS on 17.10.2023



‘AI & Web Development: A Coder’s Perspective’ Workshop for students at NIMS on 08.09.2023



CV Writing Workshop for Students at NIMS on 08.05.2023



ACADEMIC EXCELLENCE AWARDS



NOPANY INSTITUTE OF HEALTHCARE STUDIES



MS. INDRANI DAS
MPT 2020 BATCH



MS. PUBALI PAL
BPT 2018 BATCH



MS. RAJLAXMI SAHA
BPT 2020 BATCH



MR. TUHIN SUBHRA PAL
BPT 2020 BATCH



MS. RUNKINI DAS
BPT 2021 BATCH



MS. NAINA AGARWAL
BPT 2022 BATCH

ACADEMIC EXCELLENCE AWARDS



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MS. NANDINI SAMADARIYA
BCA 2023 BATCH



MS. ANAMIKA PANDEY
BBA 2023 BATCH



MS. DIMPLE MUNDHRA
BCA 2023 BATCH



MR. ROHIT KUMAR PANDEY
BCA 2023 BATCH



MS. RAJESHWARI DUBEY
BBA(HM) 2023 BATCH

MEET OUR TEAM

INTRODUCING OUR BRILLIANT TEAM!



NIHS TEAM



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DIRECTOR- EDUCATION



PROF. GARGI RAY CHAUDHURI, PHD
PHYSIOLOGY
ACADEMIC CO-ORDINATOR (BPT)



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MPT IN MUSCULOSKELETAL & SPORTS
ASSOCIATE PROFESSOR,
ACADEMIC CO-ORDINATOR (MPT)



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CLINICAL PHYSIOTHERAPIST CUM LECTURER



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ASSISTANT PROFESSOR



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BANDYOPADHYAY (PT)**
PURSUING MPT IN NEUROLOGY
TEACHING ASSOCIATE



DR. PUJA SAHA (PT)
PURSUING MPT IN NEUROLOGY
TEACHING ASSOCIATE

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Name of Faculty	Subject
Dr. Kalyan Bhattacharya	Anatomy
Dr. Angshumita Ghosh	Anatomy
Dr. Sebanti Mukherjee	Biochemistry
Dr. Ujjwal Banerjee	Pathology
Dr. Shibendu Biswas	Microbiology
Dr. Ashim Ghosh	Pharmacology
Ms Tanurima Basak	Psychology
Dr Santanu Sen	Sociology
Dr Vikrant Sinha Roy	Orthopedics
Dr Ankan Mondal	Surgery
Dr Pinaki Dutta	Medicine
Dr Ramesh Bhattacharya	Neurology and Neurosurgery
Dr Saiprabha Mishra	Disability Prevention and Rehabilitation Prosthetics and Orthotics
Dr. Kunal Kanti Majumder	Community Medicine
Ms Subhra Ganguly	Biostatistics

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IN ENVIRONMENTALYST
PRINCIPAL



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ASSISTANT PROFESSOR



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ASSISTANT PROFESSOR



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CERTIFIED SOFT SKILL TRAINER
ASSISTANT PROFESSOR



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MCA
ASSISTANT PROFESSOR



MS. KEYA PAN
MHA (GOLD MEDALIST)
ASSISTANT PROFESSOR



MS. SUBHRA GANGULY
MPHIL, M.SC.
ASSISTANT PROFESSOR



MS. SUMANA MUKHERJEE
TRAINING & PLACEMENT OFFICER

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& DIGITAL MARKETING COORDINATOR-NIHS



MR. INDRANIL PRAMANIK
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SENIOR ACCOUNTANT



MR. MANISH KUMAR SINGH
ACCOUNTANT/ CASHIER



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OFFICE EXECUTIVE



MS. AMRITA MUKHERJEE
STUDENT RELATIONSHIP OFFICER



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