



Announcement from Editor's Catchword Archive



Algorithm Used in a Hybrid Age to bring paradigm shift: across all segments and verticals to create an edge



Subodh Kesharwani
Editor-In-Chief

The human brain consists of billions of neurons which are unified by a mixture of synapses. If “enough” synaptic inputs to the neuron fires, then the neuron will also shoot. This progression is known as “accepted wisdom”. To replicate this procedure of philosophy on computers, we need to have a combination of machine learning and neural networks. This wide-ranging know-how of putting artificial brain into machine is in veracity fascinating, we humans for the reason that of our imaginative brain power has this natural instincts to go ahead of what seems not viable to craft tools and proficiency which becomes an additional room to our everyday verve, which can make decisions on our behalf and make our living tremendous well-organized. It is with this persevere to make humans super productive that the new paradigm shift has started putting **artificial intelligence** to the computer machines and now time has come to go long mode to build machines which can practically believe like human brains.

To live in *tomorrow's* ecosphere, it will be essential for a man-kind to consume a high technology quotient. Just as the intelligent quotient became a benchmark of acumen in the present era, the new quotient in the form of “hybrid Age” will become a dimension of how well we encounter the technological turmoil which beeps without alarm. It repeatedly appears that just as we instigate to get our skulls around how we might diagnose the biosphere, the whole thing is vicissitudes. In order to handle the future, we must primarily acquiesce a big step back and comprehend the historical outline of technology disruptions. The anecdote begins by recalling the original meaning of the expression “technology”. To date, mankind has experienced four major technological revolutions, each of which has generated an age more disruptive in overhauling life as we've known it. Technologies will no lengthier be just dumb repositories of information that necessitate humans to comprehend and process them. They will be brainy, able to figure out the data they accumulate and work originally and in recital with each other. The ability of IBM computer Watson to overwhelm two human competitors on the game show. We are at this time transitioning from the Information Age to the Hybrid Age in a technological revolution distinguished by omnipresent computing, intelligent machines, social technologies, integrated scientific fields, and swiftly adaptive development strategies. Hybrid Age is not confined to a particular sector but putting its whereabouts in almost all the sectors and domains across all the verticals. A hybrid algorithm is an algorithm that combines two or more other algorithms that solve the same problem, either choosing one (depending on the data), or switching between them over the course of the algorithm.

When your business rival introduces or launch any innovation, the only common-sense from our side is to reveal one just like it, intention is very clear to get a niche. Hybrid age is all about cutting edge and advent of blended technology taking past as a base. The rationale behind writing a note on behalf of an editor bench on this meticulous subject matter “**Algorithm Used in a Hybrid Age to bring paradigm shift: Across all segments and verticals to create an edge**” is well designed and premeditated for this fastidious issue (Volume-11 No.-4 Oct-Dec 2019) due to the advent of technology in all the phases. In entirety we had acknowledged eight articles in various capacities with blended tactics and parade. The earliest and major articles categorization is Empirical Research paper written by Sonakshi Jaiswal, Namratha Sharma and K. Ashwini entitled “Food War: It's Effect on Gen Y and Z”. The second nomenclature is a Case Study Based Papers in which we had four papers in total which are versatile in nature such as , “Thresholding Algorithms for Image Segmentation - Entropy Based Comparison” (Sudhansh Sharma and Bhavya Sharma), “Impact of US on Chinese and Indian Stock Markets Post Asian Financial Crisis”- (Parul Bhatia), “Optimization of Communication Network Based on Supply Chain Management Model”- (I S Ghuman, Vishal Nagpal & Anurag Saxena and finally “RRBs In India: Strategies for Sustainable Development”- (Namita Rajput and Nandini Marwah). The third nomenclature is Research Thought “Confronting the Virtual Sea of Fake Medicines on the Web: The Battle Continues”- (Peggy E. Chaudhry) and finally the last nomenclature View point “Divers Principles, Algorithm & An Approach To Data Mining: A Comparative View”- (Sachin kumar & Prerita Talwar) and “Blockchain Revolutionizing Industry 4.0 (Decentralize Technology for Industries Automation)”- (Nitin Garg and Nidhi Garg).

We had also created some more innovative thoughts in this particular issue which is an insurgency and conception of editorial office such as Book Review, Award, and Biographical note of a Luminary in an area. We had also used some more filler which can categorically work as teasers.

Information Age” and its conflation of IT with technology itself. As a substitute, we are entering an epoch of technology with a big “T” in which a variety of fields, from physics and biology to mathematics and neuroscience, are combining with one another -- and being accelerated by IT - to fabricate influential new offspring. This Hybrid Age, then, is the cutting edge of the Information Age. We will eyewitness how humans co-evolve with technology, making ourselves the cut-out for advances in medicine, prosthetics, neuroscience and other fields.



Flavor of Hybrid Age: Some facts and Figure

Hybrids syndicate components from a hypothetically disruptive technology with the existing technology to generate a new merchandise, service, or pedagogy that sits between competing innovation generations. Contemporary examples include hybrid electric vehicles, which features cartel elements from both internal combustion and electric engines. The **Hybrid Age** is categorized by omnipresent computing, intelligent **technology**, anthropomorphic **technology**, and the integration of **technology** across fields. Thus what we have learnt is that these evolution doesn't have to be accidental and restrictive, it can be focused and technologically aided.

- China's most recent five-year plan is a powerful example of how, if you want to understand geopolitical shifts, you should start with “geo-technology”.
- The future will probably carry many psychiatrists working progressively in a hybrid model, both in-person, and online, using the métiers of both approaches to expand patient attention.
- Currently, the most shared procedure of hybrid system is a petrol or diesel engine paired with one or more electric motors or generators, laterally with a battery pack. When the vehicle coasts or when the driver brakes, a generator charges the cells. When the driver accelerates the same generator is run in reverse as an electric motor, and helps boost the vehicle onwards.

Pictorial view of Paradigm Shift in Hybrid Age Across all discipline

- Adrienne LaFrance had quoted in an article “Automation on the roads could be the great public-health achievement of the 21st century”. The article talks about how Self-Driving Cars Could Save 300,000 Lives Per Decade in America. Below is a clip of a Google Self Driving Car. FORD AND GOOGLE plan to create a joint venture to work on self-driving cars, according to a report by Yahoo! Autos.



Source: <https://www.theatlantic.com>

The setup would use Google's very advanced autonomous software in Ford cars, playing to each company's strength. Google's fleet of self-driving cars has logged more than 1.2-million miles in the past few years, and covers 10,000 more each week. Ford makes and sells millions of cars each year.

Google has been talking to several other automakers for some time about using its self-driving systems. Most major automakers and several auto parts suppliers are developing their own self-driving controls as well, with a few—Nissan, Volvo and Mercedes-Benz among them—promising advanced vehicles for customer sales by 2020.

- Emirates to offer chauffeur-less drones with fully-enclosed First Class private suites?



Source: <https://gulfnews.com/>

Emirates Airlines has just announced plans to offer chauffeur-less drones that will transport flyers between any location in Dubai and the city's main international airport.



Source: Samsung

- Throughout history, materials have transformed society and culture. There was the Stone Age, the Bronze Age, and the Iron Age. This is the Glass Age. Unexpectedly your freezer gate becomes a touchscreen that helps establish your day-to-day plan.

- The figure shows how refrigerator converts into smart television and also the family room wall becomes an combined entertainment center, letting one to fall in streaming videos, games, and interactive chats while managing seamlessly integrated online tasks. That's what forte glass can permit – whether you're driving to effort, relaxing at home, or having the best shopping involvement of your lifespan. It also navigates and answer many questions at that juncture that, what if your refrigerator could tell you if its door has been left open, or it's running out of ice? What if you could ask it — while you're at the grocery store — if you need to get more eggs or milk? A smart refrigerator is one that's connected to the cloud. it lets one to organize such things as use your smartphone to see what's inside; send and receive notes and calendar entries that will appear on the fridge's screen.
- IBM Watson has operationalized AI in the business. Watson helps one in predicting and figure out future outcomes, automate complex processes, and optimize the employees' time. It's driven by the latest innovations in machine learning. Build powerful models from scratch, or speed time-to-value with pre-built enterprise apps.
- A hybrid blockchain combines benefits of public and private blockchains: an application or service can be hosted on an independent permissioned blockchain while leveraging a public blockchain for security and settlement.
- Biomechatronics combines biology, electrical engineering, and mechanics, and has led to extremely forward-thinking prosthetics that possess a métier, elasticity, and bounciness superior to human strength.
- Ford and Hyundai working on their Prius-challengers, the hybrid scene looks like it is set to usher in a new batch of cars under its fold.
- Hybrid cloud is a platform for applications and infrastructure, built on two or more components from public cloud, private cloud, and on-premises IT. In all its forms, hybrid cloud facilitates flexibility and portability for applications and data.
- Hyundai Motor Co. seems to be in a mood to take on competition; cue its recent announcement about its gas-electric car that will compete against the Toyota Prius. Hyundai says this new car is an endeavor to expand its range of eco-friendly cars, and also to keep up with the increasingly stringent emission regulations.
- Managing this information overload is a challenge, which is why FOX Sports turned to Watson's AI capabilities to help them deliver more insightful, data-driven analysis on game day.
- Mazda is re-inventing the rotary engine as a shoebox-sized range-extender for an electric vehicle that will be on sale in 2020. Tapping into the rotary's inherent qualities of smoothness, light weight and compact size will allow Mazda to overcome customers' range anxiety when it launches its multi-strand electrification programme.

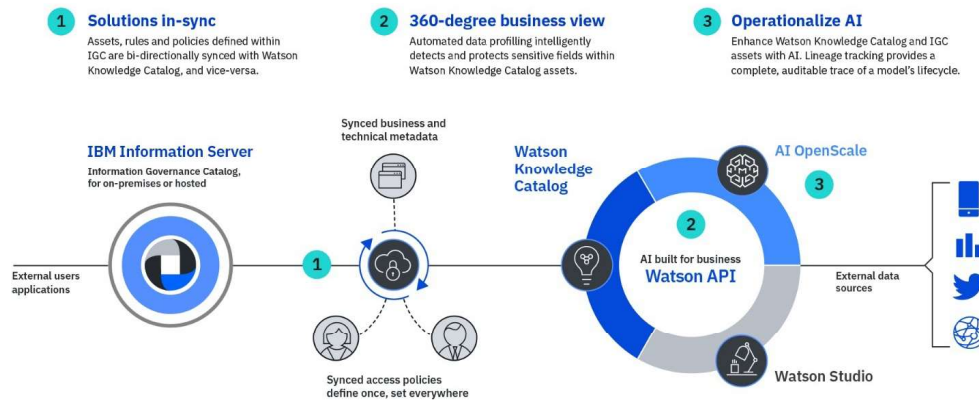


Figure 1: IBM unified data catalog offerings collect, govern and activate virtually all data for self-service and AI.

Source: <https://data-and-ai-governance-announcements.mybluemix.net>

- Keeping in mind let's see how corporate are acclimatize how the companies across the verticals are having a paradigm shift towards hybrid age and competing with their rivals
- Artificial Intelligence can be used to bring motions to any piece of art or sculpture.
 - Audi's 'Dual-Mode Hybrid' concept allows for various operating modes. Up to 34 miles per hour the traction motor supplies drive using power entirely from the batteries, with a serial mode available that uses the gasoline engine and the other motor to keep the batteries topped up.
 - Recommender systems usually make use of either or both [collaborative filtering](#) and content-based filtering (also known as the personality-based approach) and are utilized in a variety of areas and are most commonly recognized as playlist generators for video and music services like Netflix, YouTube and Spotify, product recommenders for services such as Amazon, or content recommenders for social media platforms such as Facebook and Twitter.

These systems can operate using a single input, like music, or multiple inputs within and across platforms like news, books, and search queries. There are also popular recommendation systems for specific topics like restaurants and online dating. Recommender systems have also been developed to explore research articles and experts, collaborators, and financial services.

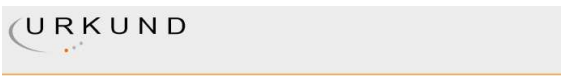
Conclusion: The coming epoch will see a dramatic jump in the complexity of the technology we use. Ability in these technologies will consequently be a precondition for accomplishment. Hybrid Age is digital, global, as well as social.

Further Reading

To get more glimpse about one should go through the following link to get more detail about the thought and subject represents

- <https://hail.to/glen-eden-intermediate/publication/aFzu4Gx/article/s44kd0A>
- https://books.google.cz/books?id=HNCrAgAAQBAJ&pg=PA334&lpq=PA334&dq=for+accomplishment+hybrid+age+is&source=bl&ots=9XEgdeQaUB&sig=ACfU3U14vn0d7EBrFTxcwLk3JVEDfM7A&hl=cs&sa=X&ved=2ahUKEwjg_LWovYnoAhUHsaQKHSVZAFQ6AEwAHOECAYQAQ
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With the publication of this present 11th volume of GJEIS, as a peer review journal which is not just a periodical but rather a peer/blind review bulletin which has efficaciously completed it eleventh year production cycle with great accomplishment both online and print. In totality, we have published 500 reviews of reviewers w.r.t. particular article linked with 500 scholarly magazine articles covering the range of EIS topics related to all streams. At a main editor capacity when we initiated this particular journal GJEIS, the editorial team, the publisher, Scholastic Seed Inc., and its Academic content mentor KA-Research Academic Management Society a 11 year old non-profit research company had only one target in mind to produce a high quality journal revolves around an Enterprise, Information & system field that our peers and readers will be proud of. As the Editor-In-chief and together with my fellow editors and other editorial staff, we are happy to report that we have achieved our first milestone gradually and a lot more need to come in the coming years.

The impression of a magazine (GJEIS) was developing for in excess of a few years and finally we are in 2020 which is on the verge of completion. Being an editor, I am extremely obliged and privileged to Scholastic seed Inc. which is an upcoming "Publishing Aggregator & Periodical Mentor" and indebted for providing me an opportunity during its 2nd Annual General meeting vide resolution no. RN/SSI/GJEIS/1APR2019 dated 1st April, 2019. We are also much engorged with self-satisfaction to be working in tandem with the highest standard of the entire editorial team and its New Delhi office. We make out the implication of ensuring that our initiatives in an academic format would represent the work and research being conducted in all regions of the planet, and at the same time also highlights key issues significant to technocrats not only in urbanized countries but also in low-resource countries. Second, the periodical will attribute various kinds of articles to glass case imperative issues related to EIS and burgeoning terms which revolves around it. The reply to our plea to authors for contribution has been devastating. In spite of our superlative hard work, due to an assessment of editorial board and the referee review board, some of the articles/papers could not be incorporated in the present issue of Dec 2019, but this shall not put a ceiling on any of the authors to send their original articles in the form of an Empirical Research Paper (ERP), Argument Based Credential (ABC), Theme based paper (TBP), Scrutiny Tip (ST), Case Study (CS), Column (CLM), research reviews or empirical contributions for publication in our magazine GJEIS. As an editor, and on behalf of our editorial team we are au fait with the value authors place on high-quality and unbiased peer review conducted in a suitable form. In accumulation, we value the consequence of rapid publication, and so to that end we have structured our editorial team to encompass Associate Editors, a Social Media Editor, and a Video Editor so we are capable to expedite the processing of submitted manuscripts. We have instructed all those involved with the periodical in an endeavor to endow with the highest standard of script review, editing, and publishing. We have implemented meticulous peer review as decisive factor, and this will be replicated in the quality of published articles. We also want to plead with all those who are mesmerized in being part of this energetic and obsessive team to get in contact with us, as we will greet your attachment. We persuade colleagues working in related disciplines of cyber and Information technology as an appropriate medium for the publication of your own high-quality research.

To end, we are certain that the GJEIS will transport top-quality articles that will tolerate to benefit everyone attentive in technology and cyber sciences. We hope that the GJEIS will undergo to be a noteworthy conduit for scientific information on a regional and a very comprehensive international level. Please support us grow by citing articles that you read in GJEIS. We look forward to receiving your contributions in the near future.

I am thankful to have worked with such an enormous squad of contributors. It was an honor to incarcerate their thoughts and systematize them for the readers. I would like to acknowledge all the contributing authors for their submissions. They are the accurate and marvelous person who have given us their know-how first handedly, their name and their conviction on these particular write-ups. They ought to have credit for the success of the magazine GJEIS.

Behind every enormous writer, there's a great editorial team. But what exactly do they perform? How do they toil? What goes through their mind when a brief gets mangled or a copy comes behind schedule? This is all about the editorial team who rigorously works day and night to streamline the publishing schedule and accomplish the timely delivery. Editorial Team is highly indebted to Resident Associate Editors Ms. Jyoti & Ms. Shailza for thorough reading of a content gradually as and when required. Manuscript submissions are being accepted for Volume-12, Issue-1, January_March, 2020 which will be in the new avatar and would be formulated with a fresh attitude of authors. The original articles can be submitted to the Editor (Word document, by email only, at scholastic.seed@gmail.com or at editorial.scholastic.seed@gmail.com or at gjeis.ejournal@gmail.com or <http://www.GJEIS.com> and <http://www.gjeis.com/index.php/GJEIS/about/submissions> Articles for columns should be prearranged with the particular column editor/s. It is requested by authors to go through the portal and make out the trend of articles the journal published at www.GJEIS.in. GJEIS is a true podium for academicians, industry executives, researchers and students for sharing the views and the news of the management in terms of research papers, articles and case analysis, reviews etc. the more detail of the nomenclature is mentioned in a booklet and obtainable online at. We are stiff about the ensuing issues of the journal with regard to distinction and disclosure. We hope that this bulletin will make the academicians, industry executives, researchers and students to travel from the point of recognizing something to part with the whole thing. We wish the periodicals for its effort and intransigence of its rhythm in the same direction in the days to come. Our genuine thanks to all the contributors for their shore up and consideration and publisher Scholastic Seed Inc. We are yet again concerned for all academicians and researchers to boost their unpublished articles/papers for publication in our periodical to figure out.


Dr. Subodh Kesharwani
Editor-in-Chief, GJEIS

Three Year Notified Tenure (2018-2020)

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Subodh Kesharwani is an academician with a bronze medal in his Post-graduation and Doctorate in ERP System in 2002 from Allahabad Central University. He is one of the researchers who had concentrated his research on Total Cost of Ownership [TCO] & critically evaluate ERP vendors including SAP-AG, Germany.

Dr. Kesharwani is presently an Associate Professor, School of Management Studies with a total 21 years of hardcore teaching and research in Information System and its linkages with various domains of management at Indira Gandhi National Open University, New Delhi. He is presently an expert in various burgeoning areas and had delivered a talk as a trainer on MOOCs, Team Building, E-commerce, Technology Enabled Learning, E-resource, Technology Usage in research, Block chain use in governance, Internet of Thing, Enterprise Information System, Free & Open Source Software, etc.

Dr. Subodh had developed and coordinated a program in Entrepreneurship & Business Skills in collaboration with Rajiv Gandhi Foundation (RGF), India and Commonwealth of Learning, Vancouver, Canada which provides training to the trainers at IGNOU. He is presently a program coordinator of IGNOU-ICWAI alliance. He is also a founder Editor-in-Chief of a peer reviewed refereed journal entitled "Global Journal of Enterprise Information System [GJEIS] from 2009 onwards, which has completed its 12 years term and published 12 volumes and 50 issues till date both in printable and virtual format, the journal GJEIS www.gjeis.com is equipped with DOI from Crossref USA and listed in almost 50 directories in the world with an impact factor of 2.89 of 2019-20. He is also a founder Executive Editor of a monthly magazine CYBERNOMICS www.cybernomics.in published since 2019 by E-publishing Aggregator Startup group which also mentors periodical "Scholastic Seed Inc." placed in New Delhi, India

Dr. Kesharwani had participated as a debater in diverse TV shows and participates in Interactive Radio Counseling including Gyanvani and Gyandarshan. He had written a Book entitled "Enterprise Information Systems-Contemporary Trends and Issues" in a co-authorship with Professor David L Olson (University of Nebraska, USA. which was published by WORLD SCIENTIFIC, USA. <http://www.worldscibooks.com/business/7287.html> He had another text book on ERP system which caters a B.Tech VI Semester CS and IT Students. He had developed educational contents for various academic Institutions such as ICAI, IGNOU and contributed articles for various journals/Magazines, etc. He had chaired a good number of technical sessions at various conferences & seminars nationally and globally. He is presently running a "Blockchain Federation for Indian Researcher" which he thinks can bring paradigm shift holistically.

Dr. Kesharwani had been awarded "IT Innovation & Excellence Award 2012" in the field of ERP solutions, by KRDPWG's Selection Committee at IIT Delhi. He is in the panel of the Steering Committee of the International Journal of Computing and e-Systems, TIGERA-USA. He was in the key panel of a round-table workshop conducted by the Ministry of Corporate Affairs in Association with Indian Institute of Corporate Affairs to streamline "Corporate Data Management and Governance". He was one of the resource persons who shared the experience with the 12 different ITEC countries participants who had attended International MDP conducted by the Ministry of Finance, Government of India.