



Developments of Intelligent Machines and the Current State of AI

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ABSTRACT: Artificial intelligence is the study as well as progressions of smart devices and also a program that can rationalize, discover, gather know-how, interact, manoeuvre as well as recognize the objects. John McCarthy created the term in 1956 as the limb of computer technology concerned with creating computers act like human beings. It is the research study of the estimation that makes it achievable to identify the reason and act. Artificial intelligence is different coming from psychological science given that its emphasis on estimation and also is different from computer technology due to its importance on viewpoint, thinking as well as activity. It helps make machines smarter and more useful.

KEYWORDS: Artificial intelligence, intelligent machines, machine learning

I. INTRODUCTION

The starting point of Artificial Intelligence dates back before electronic devices, to thinkers and arithmetics Wizzard like Boole and also others that hypothesized on principles that were utilized as the foundation of AI Reasoning. This topic wishes to communicate to the thrilling consumers of Artificial Intelligence as well as likewise its applications. It dwelled in the very early 1950s that the hyperlink in between personal intelligence as well as devices was observed. Norbert Wiener was one of the very first Americans to make reviews on the tip of feedback suggestion, and also the disorder artificial intelligence was first created in 1956, at the Dartmouth event, arranged by John McCarthy who is considered as the daddy of AI.

Some of the best-familiarized circumstances of responses idea are the regulatory authority: It regulates the temperature level of an environment through gathering the real temp of your house, reviewing it to the chosen temperature level, along with responding via switching the heat up or even down. What was thereby necessary worrying his research study into reviews loops was actually that Wiener theorized that all intelligent behaviour was the outcome of customer reviews devices.

In overdue 1955, Newell and also Simon developed The Reasoning Theorist, considered through various to end up being the preliminary AI program. The program, collaborating with each issue as a tree design, will certainly attempt to solve it using picking the division that will certainly likely cause the proper closure. In 1957, the first variation of a brand-new system The General Issue Solver (DIRECTION FINDER) was examined. The system cultivated due to the same collection which created the Reasoning, Philosopher. The FAMILY PRACTITIONER was an expansion of Wiener's feedback principle, in addition to may attending to an extra significant level of sound judgment issues.

A variety of years after the DIRECTION FINDER, IBM acquired a group to investigation artificial intelligence. Herbert Gelernter invested 3 years servicing a course for dealing with geometry theses. While even more plannings were being created, McCarthy was energetic planting a considerable progression in AI previous background.

In 1958 McCarthy launched his brand-new development; the LISP language, which is still used today. LISP was very soon embraced as the language of option amongst numerous AI programmers, and likewise ever since Artificial Intelligence has prolonged because of the concepts and also concepts developed via its specialized professionals.

Artificial Intelligence is a mixture of information technology, composition, as well as approach along with maths and several various other specialities. AI is an extensive subject, having various fields, coming from machine eyesight to expert systems. The element that the locations of AI reveal is the growth of makers that may simply "believe". Use of artificial intelligence calls for numerous approaches consisting of professional/ know-how bodies, semantic networks, case-based reasoning, style matching, artificial intelligence and also fuzzy logic.



II. GENETIC ALGORITHMS

Hereditary protocols are a computational equivalent of the progression, of the option. An extraordinary analysis paper using Goldberg offered at the 6th AIENG Complying with tensions the market place value of this particular technique as a version of the ideal concept.

Possibly the best appealing part of the hereditary process is their possible to extend the hunting place, to deviate, as well as additionally merge. As a result of this, they are pretty reliable as search protocols, specifically for dealing with marketing conditions along with a great deal of regional minimum required. Applications in the design are strengthening, mainly for optimization. I expect that they are going to be generally utilized in a so much more appealing method - to develop realistic alternate alternatives and likewise decide on the fittest at the beginning of the speculative style.

Fuzzy Logic

If intelligence involves handling unpredictability, fuzzy logic has to be a very ideal formalism for specifying as well as likewise addressing AI issues. The pioneering work was carried out incredibly early through [1,2] as well as additionally put on control issues by [3] An interesting assessment of applications of fuzzy logic to discovering and also demand existed through Foulloy as well as also Galichet at the 8th AIENG Meeting in 1993.

Fuzzy logic mostly are likely to provide the absolute most substantially used operation for controlling smart tools. It is each uncomplicated and likewise reliable as well as additionally used not just in industrial scenarios however also for simplifying human-machine interface of appliances like a Hoover, washing makers in addition to video clip recorders. My prediction is actually that fuzzy control may promptly switch out typical monitoring bodies in most of the functional applications.

Intelligent Agents

There are numerous thrilling theories concerning specific intelligence which might serve our group when our crew take into account just how to generate intelligent tools.

The 1st one is proposed using [7] It was approximated that a pro composes his/her long-lasting moment around 50,000 parts of facts pertinent to their domain of capability, likely including cue-action sets ie, developments. A temporary mind, where the handling of knowledge takes place, has little capacity and represents taking care of obstacle. The idea is in fact that the individual mind handles problems with developing its own emblematic depiction ie, a condition area, as well as through administering a look for a remedy in this area. The search is led via heuristics had in productions inhibited the long-term thoughts. Pros possess accessibility to a large quantity of domain-specific manufacturings as well as also are thus capable of managing issues substantially quicker than non-experts. The above excellent could be recognized as fairly restrictive given that it is based upon the expectation that wise habits are logically adjusted: that our specialists always identify what our team dream to do.

Various landscapes have just recently built which advances that intelligence is the functionality of a body to engage in addition to its setting without clearly determined goals, to obtain coming from this communication in addition to, in a small type, to every convey in addition to accomplish its objectives. The system may seek to develop commands on its setting for modifying it to match its targets, or even to conform on its own to the ambience if it pertains to the verdict that the setup will certainly not improve.

Each theory appears to be legit, each appropriate to several functional instances. Expert systems are based upon the first theory. Can our specialists establish wise body systems to behave depending on the 2nd idea? An encouraging strategy is actually to cultivate the know-how function of intelligent tools as a culture of intelligent agents.

The recommendation that centralised, hierarchical management might be swapped with a staff of with ease connected agents (computer strategies that are capable of corresponding together with each other, thinking involving acquired messages along with jointly monetizing adventure) was encouraged via Minsky's crucial work The Society of Thoughts [5]

The principle is presently being checked out in a bunch of research facilities around the entire planet. Let me highlight temporarily an imaginable specification for such a planning.



A team of brokers is supplied accountability for managing as well as also managing the behaviour of a particular tool (including a machine tool or a suction).

An agent within this staff is delivered activity for launching as well as also taking care of a particular machine behaviour (eg, improving work-pieces, avoiding coming from a collision, vacuuming, browsing, or preventing a failure during a vital operation). The complexity is actually that such a broker will undoubtedly need to have accessibility to each perception along with implementation performances.

One more broker is provided obligation for setting up the machine tasks with a view to maximising performance of the much greater unit of which the delivered tool is a component (state, a manufacturing centre, a home, or perhaps a motor vehicle armada).

But one more agent is given accountability for audio, keeping accounts along with saying on allbody activities.

All selections are created through arrangement amongst Broker Stakeholders (those brokers whose job may be possessed an impact on using effects of a particular selection).

A strategy is created taking care of settlements and also showing non-negotiable groups like safety and security.

As an example, the technique of a machine-tool may be taken care of (intended as well as managed) using 5 independent intelligent agents [3] One broker is charged to obtain the premium price of cutting a selection of work-pieces and also one more to protect the machine in the best practical functioning order. Under situations of a regular feature, the 1st broker is going to check the rate of cutting as well as maintain it at the ideal level whilst the second agent are going to be keeping an eye on device wear and tear. When unit damage smash hits an essential limitation the second representative might determine that unless the reducing speed is decreased the tool is going to obtain made use of half of the existing function and also are visiting supply a seek slow-down. As a result of the reality that the extremely 1st broker likes carrying on at the identical speed up till the end of the current method, there are going to certainly be a disagreement. The dispute is managed by negotiation based on significant strategies (over a number of time representatives may be enabled to individualize these procedures in addition to the purpose of enhancing the overall physical body effectiveness). The 3rd broker, rather independently from the 1st 2, timetables the amount of work and is supplied the task to lessen still an opportunity for the machine under its duty without reducing the total efficiency of the factory. This broker bargains the routine along with representatives accountable for other units in the factory. The 4th representative's documents all machine activities and also devotions, and alarms other agents if the essential need develops. The 5th representative keeps an eye on the quick setting of the machine as well as additionally is in charge of staying away from accident alongside individual drivers, robotics or even vehicles bring work-pieces. In such a course a manufacturing plant is a culture of intelligent agents preparing alongside one another exactly how finest to obtain sharp out intendeds. Each brilliant machine, subsequently, is taken care of by a staff of intelligent agents rather afterwards a centralised management gadget.

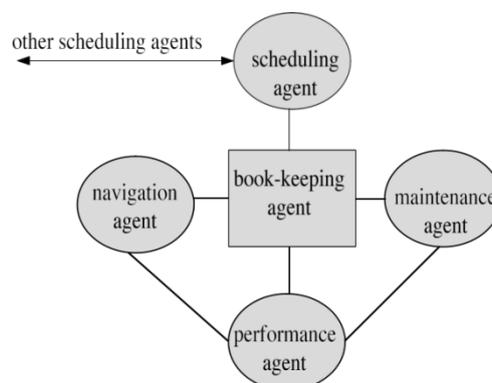


Figure 1: A Society of Agents

The novelty of this approach is in replacing hierarchical architectures with network configurations in which nodes are capable of negotiating how to achieve specified goals without any centralized control. Negotiation protocols impose constraints on the freedom of agent actions.



It is important to remember that intelligence is the emergent property of groups of agents engaged in interaction. There exists here a parallel with multidisciplinary teams engaged in concurrent engineering. They tend to be able to handle unpredictable events more effectively than individuals.

III. THE CURRENT STATE OF AI

The individuality of the particular system resides in altering purchased types alongside body arrangements through which blemishes are capable of negotiating precisely how to accomplish pointed out objectives without sleek management. Setup systems create restrictions on the adaptability of depictive activities.

It is vital to look at that intelligence is the surfacing property of crews of brokers who participated in the interaction. There exists on this site an analogue alongside multidisciplinary workers participated in simultaneous layout. They often tend to become able to handle unpredictable tasks better than folks

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The amazing renovation has been helped make about what is called Narrow AI, which attends to specific use locations featuring participating in military activities, foreign language interpretation, self-driving lorries, along with photo verification. Slim AI founds several business companies consisting of journey preparing, client suggestion gadgets, as well as advertising campaign targeting, and also is discovering vital applications in health care diagnosis, education and learning, as well as an additional clinical study. These have all possessed considerable social perks and likewise have produced the monetary strength of the Nation.

General AI (sometimes phoned Artificial General Intelligence, or maybe AGI) concern a notional perspective AI gadget that presents brilliant practices at least as raised as a person across the total series of cognitive duties. A wide-ranging void seems to divide today's Narrow AI arising from the so much more difficult challenge of General AI. Attempts to connect with General AI through boosting Narrow AI solutions have produced little factors over tons of years of inspection. The present contract of the private-sector professional neighbourhood, alongside which the NSTC Committee on Technology agrees, is that General AI is heading to not be accomplished for at least several years.

People possess long hypothesized on the implications of personal computers happening a lot much more brilliant than individuals. Some prepare for that an appropriately smart AI can be entrusted in addition to cultivating also better, a lot more intelligent body systems, and that these ultimately might be utilized to produce physical bodies together with however better intelligence, etc, leading in standard to an "intelligence blast" or maybe "selfhood" whereby manufacturers swiftly nationality considerably in front of humans in intelligence.¹⁵

In a dystopian attraction of the method, these super-intelligent makers will surpass the functionality of the human race to comprehend and even regulate. If computers can easily utilize management over numerous essential bodies, the result might be pandemonium, along with folks no more in control of their destiny at best as well as gone out at worst. This scenario has long been the topic of sci-fi tales, as well as most up-to-date statements arising from some significant field innovators have highlighted these anxieties.

An added excellent scenery of the prospective kept by considerable amounts of researchers views rather the development of brilliant devices that operate correctly as aides, associates, trainers, and also allies of people, as well as are created to work safely and securely and also ethically.

The NSTC Board on Modern modern technology's analysis is that lasting problems about super-intelligent General AI need to possess a little effect on the present plan. The strategies the Federal Experts must take on in the near-to-medium words if this anxiousness is required are practically precisely the specific same plans the Federal government must use if they are certainly not necessitated. The greatest procedure to build capability for fixing the longer-term risky risks is actually to attack the whole lot much less harsh risks discovered today, like existing safety and security, personal privacy, and also protection risks, while getting the study on longer-term performances as well as likewise precisely just how their obstacles could be managed. Furthermore, as study and applications in the business remain to mature, practitioners of AI in authorities, as well as additional company, must come close to progressions with optimal element to consider of the durable social as well as likewise sincere inquiries-- in addition to simply the technological concerns-- that such innovations suggest. Although carefulness dictates some enthusiasm to the chance that risky remarkably- intelligence could in time come to be possible, these issues require to certainly not be the significant driver of public law for AI.



Artificial intelligence.

Artificial intelligence is just among the most ideal notable technological strategies to AI and likewise the basis of several most up-to-date advances and service applications of AI. Modern machine learning is a logical method that begins with a physique of files as well as additionally attempts to obtain a plan or even strategy that explains the files or even may conveniently anticipate potential info. This procedure-- benefiting from documents-- distinguishes in addition to the much more mature "expert system" procedure to AI, in which coders sit together with human domain name experts to figure out the rules and criteria made use of to determine, as well as also change those guidelines into software application code. An expert system means to adhere to the suggestions made use of through individual specialists, whereas artificial intelligence trusts analytical methods to situate an option procedure that functions correctly digital.

A perk of artificial intelligence is that may be used also in the unlikely event where it is infeasible or even complicated to document explicit rules to deal with a problem. For instance, a company that runs an internet business may take advantage of machine learning to discover client log-in attempts that are deceitful. The firm may start with a major information compilation of the previous login makes an effort, along with each effort designated as misleading or otherwise making use of the advantage of are going to outplay folks at mentally stimulating games within a year, a result that needed to have 40 years to occur. Early prophecies relating to automatic overseas language interpretation furthermore revealed extremely good, alongside the innovation simply coming to be useful (as well as never entirely fluent) in the last many years. It is alluring having said that incorrect to theorize from the possible to address one particular activity to envision equipment with a much broader in addition to a lot deeper wide array of abilities along with to overlook the massive void between slender task-oriented capability along with the type of standard intelligence that people show.

It is considerably from details that this kind of eruptive growth in intelligence is likely, or even possibly manageable. An additional possible projection originating from existing expertise is actually that machine intelligence is going to undoubtedly remain to improve slowly even after surpassing specific intelligence. knowledge. Based upon this information set, the service provider can easily utilize machine learning to acquire a plan to connect to potential login attempts that predicts which efforts are very likely to become illegal as well as likewise should certainly undergo included safety actions. In a feeling, artificial intelligence is certainly not a procedure for dealing with a particular problem, nonetheless rather an even more basic approach to uncovering choices for various difficulties, offered records about each one of all of them.

To carry out artificial intelligence, qualified starts with a historical file set, which the expert splits into a training collection as well as also an assessment collection. The qualified select a version, or even algebraic construct that defines a set of doable decision-making guidelines together with adjustable standards. A popular example is really that the version is a "package" that makes use of a requirement, as well as also the requirements are adjustable handles on the front end of the package that deal with specifically how to package functions. Virtual, a design might have a lot of countless specifications.

The specialist also points out a nonpartisan feature used to analyze the value of the end lead that emerges coming from a particular alternative of rules. The impartial feature is heading to usually have parts that award the type for quite carefully matching the guideline assortment, in addition to parts that make up taking advantage of less complex tips. Teaching the design is, in fact, the strategy of altering the requirements to create the finest use of the unbiased function. The direction is the difficult technical come in machine learning. A style together with various standards are visiting have astronomically additional possible results than any kind of protocol could in the past plan to make an effort, therefore efficient direction methods require to become creative in just exactly how they discover the area of specification settings therefore concerning finding good settings with a feasible level of computational try.

As quickly as a style has been qualified, the practitioner can easily make use of the evaluation prepared to review the precision in addition to the efficiency of the style. The objective of machine learning is to cultivate a competent style that is visiting generalize-- it is going to be exact not just on instances in the training set, however additionally on future cases that it has certainly never viewed before. While a lot of these models may achieve better-than-human efficiency on slim duties like image labelling, also the greatest designs may quickly fall short in uncertain approaches. As an example, for numerous visuals labelling types, it is possible to generate images that precisely seem to be approximate sound to an individual nevertheless will certainly be incorrectly identified as a specific trait alongside higher assurance through a skilled model.



One more issue in the operation of artificial intelligence is in fact that it is actually commonly not manageable to the essence or maybe make a direct description for why a specific professional design works. Because proficient models possess a significant number of modifiable criteria-- regularly thousands of many thousand or maybe extra-- instruction might give a model that "projects," in the sensation of matching the documents, yet is not immediately the best design that works. In human decision-making, any type of form of opacity while doing this is typical because of not having enough information about why a decision was struck, because the decider might be not able to reveal why the assortment "definitely experienced right." Along with artificial intelligence, everything concerning the choice therapy is understood in addition to mathematical precision, nevertheless, there could be just extreme details to decipher clearly.

IV. CONCLUSION

Our experts have the required technologies to create models of societies of intelligent agents; these are knowledge-based devices, neural networks, hereditary algorithms and also fuzzy logic. One method to begin is to replicate a swarm of ants in which each specific works to a minimal collection of guidelines and the entire nest, as a result of the use of these policies through individuals, exhibits smart behaviour - it copes with a minimal unpredictability. At that point, our team may attempt to make a culture in which each representative possesses some minimal intelligence as a result of which the society displays more advanced functions of intelligence.

REFERENCES

1. Findler, N, Distributed Knowledge-Based Systems in Manufacturing. Rzevski, G (ed), Artificial Intelligence in Manufacturing. Springer-Verlag, 1989, pp17-34.
2. Tyugu, E, Large Engineering knowledge Bases. Artificial intelligence in Engineering, Vol 8, No 4, pp 264-270,1993.
3. Lee, M H, The Knowledge-Based Factory, Artificial intelligence in Engineering, Vol 8, No 2, pp 109-125, 1993.
4. Pham, D T, Neural Networks in Engineering. Rzevski, G, Adey, R A and Russel, D W (eds), Applications of Artificial Intelligence in Engineering IX. Computational Mechanics Publications,1994.
5. Anitha Eemani, "A Comprehensive Study on Relocating the Learning Knowledge", International Journal Of Multidisciplinary Research In Science, Engineering and Technology (IJMRSET), Volume 2, Issue 7, July 2019
6. Anitha Eemani, "Future Trends, Current Developments in Network Security and Need for Key Management in Cloud", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 6, Issue 10, October 2018
7. Anitha Eemani, "PNC Architecture of Security Services", Journal of Advances and Scholarly Researches in Allied Education, Vol. 13, Issue No. 2, July-2017
8. Anitha Eemani, "A Study on The Usage of Deep Learning in Artificial Intelligence and Big Data", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), Volume 5, Issue 6, November-December 2019.
9. Anitha Eemani, "Benefits of Wireless Data Services and Wireless Technologies", International Journal of Physical Education and Sports Sciences, Vol. 14, Issue No. 01, January-2019
10. Anitha Eemani, "A Comprehensive Review on Network Security Tools", Journal of Advances in Science and Technology, Vol. 11, Issue No. 22, May-2016
11. Anitha Eemani, "Achieving Network Security and Security Mechanisms at Networking Layers", International Journal of Information Technology and Management", Vol. 11, Issue No. 17, November-2016
12. Anitha Eemani, "Network Optimization and Evolution to Bigdata Analytics Techniques", International Journal of Innovative Research in Science, Engineering and Technology, Vol. 8, Issue 1, January 2019
13. Bhagya Rekha Kalukurthi, "A Comprehensive Review on Machine Learning and Deep Learning", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 8, Issue 6, June 2019
14. Bhagya Rekha Kalukurthi, "Regulatory Compliance and Supervision towards Artificial Intelligence", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 7, Issue 12, December 2019
15. Bhagya Rekha Kalukurthi, "A REVIEW ON THE KEY PROPERTIES OF DATA MINING", Wutan Huatan Jisuan Jishu, Volume XIV, Issue IX, SEPTEMBER2018
16. Bhagya Rekha Kalukurthi, "IMPLEMENTATION OF BIG DATA ANALYTICS AND BIG DATAGOVERNANCE", The International journal of analytical and experimental modal analysis, Volume VII, Issue I, May2015
17. Bhagya Rekha Kalukurthi, "A Comprehensive Review on Challenges and Types of Big Data", International Journal of Innovative Research in Science, Engineering and Technology, Vol. 7, Issue 1, January 2018
18. Bhagya Rekha Kalukurthi, "Big Data Classification and Methods of Data Mining, Big Data", International Journal of Scientific Research in Science, Engineering and Technology, Volume 3, Issue 5, July-August-2017



19. Bhagya Rekha Kalukurthi, "Security Vulnerabilities, Security Threats, and Advance Network Security Policies", Journal of Interdisciplinary Cycle Research, Volume VI, Issue I, Jan- June2014
20. Bhagya Rekha Kalukurthi, "A Study on The Big Data Characteristics", International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Volume 1, Issue 1, July-August 2016
21. Bhagya Rekha Kalukurthi, "A Comprehensive Overview on WLAN Security Exploits and WLAN Security for 802.11", "International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering", Vol. 4, Issue 11, November 2015
22. Bhagya Rekha Kalukurthi, "MI Platform Architecture and Components of Cloud-Based MI Framework", "International Journal Of Multidisciplinary Research In Science, Engineering and Technology (IJMRSET)", Volume 3, Issue 6, June 2020
23. Bhagya Rekha Kalukurthi, "Data Mining Strategy for Discovering Intriguing Patterns and Challenges with Bigdata for Global Pulse Development", International Journal of Scientific Research in Science and Technology, Volume 3, Issue 3, March-April2017
24. Malyadri. K, "Architecture and Components of Cloud-Based ML Framework", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 8, Issue 1, January 2019
25. Malyadri. K, "An Overview towards the Different Types of Security Attacks", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 2, Issue 8, August 2014
26. Malyadri. K, "Security Threats, Security Vulnerabilities and Advance Network Security Policies", International Journal of Innovative Research in Science, Engineering and Technology, Vol. 2, Issue 9, September 2013
27. Malyadri. K, "Need for Key Management in Cloud and Comparison of Various Encryption Algorithm", International Journal of Scientific Research in Computer Science, Engineering and Information Technology , volume 1, issue 1, July-August 2016
28. Malyadri. K, "Cloud-Based MI Framework Working with Analytic Tools", International Journal of Scientific Research in Science and Technology, Volume 6, Issue 6, November-December-2019
29. Malyadri. K, "Integration of Appropriate Analytic tools towards Mobile Technology Development", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 6, Issue 6, June 2018
30. Malyadri, N. Surya Teja, "Related technologies and the role of mobile app development life cycle", International Journal of Research and Applications, Volume 5, Issue 17, Jan-Mar 2018.
31. Malyadri K, Surya Teja N, "Key characteristics of mobile applications and trends in mobile app Industry", International Journal of Research and Applications, Volume 7, Issue 25, Jan-Mar 2020.
32. Rakesh Rojanala, "A STUDY ON BIG DATA-ORIENTED STREAM DATA MINING AND STREAMED DATA MANAGEMENT", The International journal of analytical and experimental modal analysis, Volume X, Issue III, March2018
33. Rakesh Rojanala, "Algorithms, Models and Applications on Artificial Intelligence", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT) ", Volume 5, Issue 4, July-August2019
34. Rakesh Rojanala, "Generic Working of an Artificial Neuron and Its Output Mathematical Representation", "International Journal of Innovative Research in Science, Engineering and Technology", Vol. 8, Issue 1, January 2019
35. Rakesh Rojanala, "An Overview of Intrusion Detection System and the Role of Data Mining in Information Security", "International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering", Vol. 6, Issue 3, March 2017
36. Rakesh Rojanala, "Cloud-Based ML Framework Built Using Apache Ecosystem", "International Journal of Scientific Research in Science, Engineering and Technology", Volume 7, Issue 1, January-February2020
37. Rakesh Rojanala, "AN OVERVIEW ON CLOUD COMPUTING MODELS AND CLOUD DELIVERY MODELS", The International journal of analytical and experimental modal analysis, VolumeIV, Issue I,JAN-JUNE2012
38. Rakesh Rojanala, "Cloud Computing Characteristics and Deployment of Big Data Analytics in The Cloud", International Journal of Scientific Research in Science and Technology, Volume VIII, Issue II, March-April2014
39. Rakesh Rojanala, "CLOUD COMPUTING ARCHITECTURAL FRAMEWORK", Journal of Interdisciplinary Cycle Research, Volume V, Issue I, Jan- June2013
40. Rakesh Rojanala, "A COMPREHENSIVE STUDY ON THECHALLENGES OF STREAM DATA MINING AND BIG DATA-ORIENTED STREAM DATAMINING", The International journal of analytical and experimental modal analysis, Volume VII, Issue II, July-December2015
41. Rakesh Rojanala, "Machine Learning: Intersection of Statistics and Computer Science", "International Journal of Innovative Research in Computer and Communication Engineering", Vol. 5, Issue 8, August 2017
42. Rakesh Rojanala, "Components of Data Mining and Big Data Analytics in Intra-Data Center Networks", "International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering", Vol. 5, Issue 7, July 2016



43. Yeshwanth Valaboju, "IOT Communication Technologies and Future of Internet of Things", International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Volume 2, Issue 6, November-December 2017
44. Yeshwanth Valaboju, "A Study on Cryptosystem Types and Cryptographic Principles", "International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering", Vol. 5, Issue 6, June 2016
45. Yeshwanth Valaboju, "Capabilities and Key Benefits of Sap NetWeaver Gateway", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 7, Issue 1, January 2019
46. Yeshwanth Valaboju, "A COMPREHENSIVE STUDY ON IOT ARCHITECTURES AND IOT SECURITY", Parishodh Journal, Volume VIII, Issue X, October 2019
47. Yeshwanth Valaboju, "AN OVERVIEW ON THE TYPES OF PASSWORD AND DOS ATTACKS", Journal of Interdisciplinary Cycle Research, Volume IX, Issue XI, November 2018
48. Yeshwanth Valaboju, "A Review on The Database Security Requirements and Guidelines", International Journal of Scientific Research in Science and Technology, Volume 3, Issue 6, July-August 2017
49. Yeshwanth Valaboju, "AN OVERVIEW ON SAP FIORI DESIGN PRINCIPLES AND FIORI ARCHITECTURE FOR ANALYTICAL APPLICATIONS", The International journal of analytical and experimental modal analysis, Volume X, Issue IX, September 2018
50. Yeshwanth Valaboju, "A LITERATURE REVIEW ON NEURAL NETWORK ARCHITECTURES", Journal of Interdisciplinary Cycle Research, Volume VII, Issue II, December 2015
51. Yeshwanth Valaboju, "A Study on SAP Fiori Apps and Fiori Design Principles", "International Journal of Innovative Research in Science, Engineering and Technology (IJMRSET)", Volume 9, Issue 6, June 2020
52. Yeshwanth Valaboju, "Routing and Vulnerabilities in MANETS", "International Journal Of Multidisciplinary Research In Science, Engineering and Technology (IJMRSET)", Volume 1, Issue 2, December 2018
53. Wright, P K, Bourne, A B, Manufacturing Intelligence. Addison Wesley, 1988.
54. Holland, J H, Adaptation in Natural and Artificial Systems. University of Michigan Press, 1975.