

e-ISSN:2582-7219



INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY RESEARCH IN SCIENCE, ENGINEERING AND TECHNOLOGY

Volume 5, Issue 5, May 2022



INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA

Impact Factor: 7.54



6381 907 438



6381 907 438



ijmrset@gmail.com



www.ijmrset.com



Internet Control Management Protocol in Artificial Intelligence

Krishna Murthy¹

Data Base Specialist, Soft Technologies, India¹

ABSTRACT: So as to offer useful solutions or to make it possible for individuals to carry out jobs even more effortlessly, computer system systems are attached to networks as well as obtain adjoined. This led to the around the world selection of regional and wide-area networks referred to as the World wide web. Sadly, the prolonged accessibility possibilities likewise call for improved security dangers as it opens extra opportunities for an opponent. The primarily point of every network designing, planning, structure, as well as running a system is the importance of a sturdy protection policy. Network security has actually come to be more crucial to desktop computer users, associations, and the military. With the advancement of the internet, surveillance ended up being a primary problem. The internet framework itself allowed for lots of safety threats to take place.

KEYWORDS: Network Security, attacks, protocols

I. INTRODUCTION

For a shut, neighborhood body, the assailant was demanded to become literally existing at the system to carry out unapproved activities. In the networked situation, each host that can easily send out packages to the target can be potentially used. As certain companies (like internet or title hosting servers) require to be openly available, each maker on the web could be the producer of malicious task. This reality creates attacks very likely to happen on a routinely manner. The complying with message efforts to give a methodical review of safety and security requirements of Internet-based units and also possible methods to satisfy them. Our company specify residential or commercial properties of a protected body and also give a classification of prospective risks to them. Our team likewise present mechanisms to resist strikes that try to breach intended properties. The most widely made use of methods to get treatment records versus tampering and eavesdropping, the Secure Sockets Coating (SSL) and also its follower, the Transport Layer Security (TLS) process, are discussed. Lastly, our team quickly define well-liked use programs that may function as building blocks for getting custom treatments.

Network safety is actually happening excellent significance due to patent that may be simply obtained through the world wide web. There are actually various sort of spell that may be when sent out throughout the network

Before one may examine assaults against an unit and also choose appropriate mechanisms against all of them, it is necessary to point out a safety plan. A safety and security policy describes the preferred buildings for each and every aspect of a protected pc system. It is a decision that must take into account the market value of the properties that ought to be shielded, the counted on risks, as well as the expense of suitable protection operations. A safety policy that suffices for the records of a regular user in the house might certainly not be sufficient for financial institution applications, as these systems are obviously a very likely aim at as well as need to defend better sources. Although usually neglected, the formulation of an adequate protection plan is a qualification before one can determine risks as well as appropriate systems to tackle all of them.

In this modern-day period, companies greatly count on local area network to share information throughout the institution in an efficient and also effective method. Company computer networks are actually now ending up being sizable as well as omnipresent. Supposing that each employee has a specialized workstation, a big range company will have handful of manies thousand workstations and many server on the system.

It is actually most likely that these workstations may certainly not be centrally managed, nor will they possess boundary defense. They may have a selection of working devices, hardware, software, as well as protocols, along with different degree of cyber recognition among individuals. Currently visualize, these hundreds of workstations on company system are straight linked to the Web. This sort of unsafe system comes to be an intended for an assault which hosts useful info as well as features weakness.



In this paper, our team define the significant weakness of the system and importance of system security.

Physical Network

A network is defined as 2 or more computer linked all together for discussing resources successfully. Even more, connecting pair of or even more networks all together is actually referred to as internetworking. Hence, the Web is actually merely an internetwork-- a selection of complementary networks

For establishing its interior system, an organization has numerous choices. It may make use of a wired system or even a cordless network to link all workstations. Nowadays, organizations are primarily using a mixture of both wired and also wireless networks.

Wired & Wireless Networks

In a wired system, gadgets are linked per various other utilizing cables. Typically, wired networks are actually based on Ethernet method where tools are actually linked utilizing the Unshielded Twisted Pair (UTP) wires to the different changes. These switches are additional attached to the network hub for accessing the World wide web.

In cordless system, the gadget is attached to an accessibility aspect by means of radio transmissions. The accessibility scores are actually more attached by means of cords to switch/router for external network get access to.

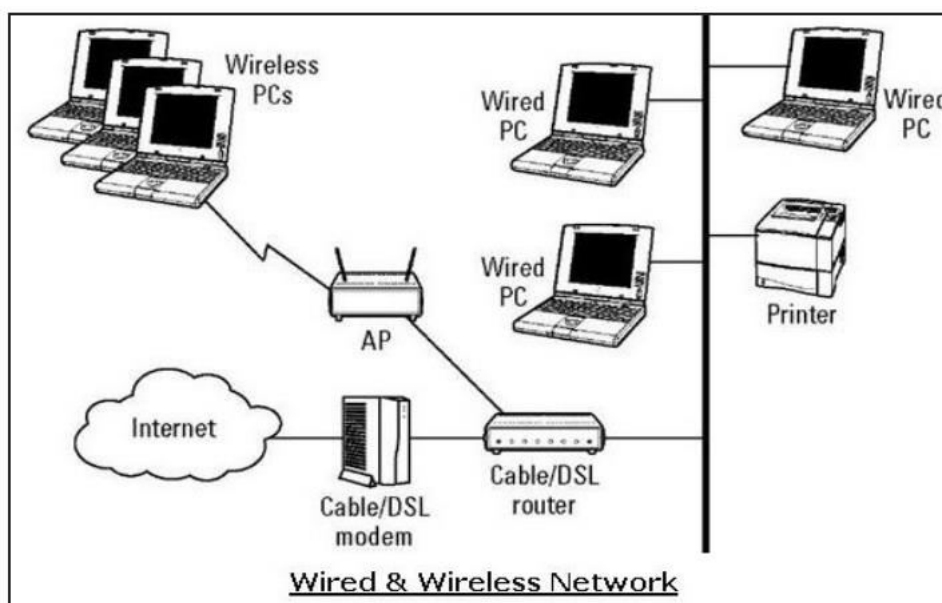


Figure 1

Wireless networks have actually gotten popularity due to the movement used by all of them. Mobile phone need to have not be actually tied to a cord and may wander readily within the wireless system array. This ensures reliable info sharing as well as enhances performance.

II. VULNERABILITIES & ATTACKS

- The usual vulnerability that exists in both wired and also wireless systems is an "unwarranted gain access to" to a system. An attacker can easily link his device to a network though unsecure hub/switch port. Hereof, cordless network are considered less safe and secure than wired system, given that cordless network can be simply accessed without any physical hookup.
- After accessing, an assailant may exploit this weakness to release attacks like:
- Sniffing the packet data to steal useful relevant information.



- Rejection of service to genuine individuals on a network through swamping the network tool with unwarranted packets.
- Spoofing bodily identities (MAC COMPUTER) of reputable lots and after that taking records or even more launching a 'man-in-the-middle' assault.

III. NETWORK PROTOCOLS

Network Process is a collection of policies that control interactions between gadgets connected on a system. They include systems for creating hookups, along with format guidelines for data packing for information sent and also gotten.

Many computer network protocols have been actually created each created for particular purposes. The prominent as well as largely utilized methods are actually TCP/IP along with associated higher- as well as lower-level protocols.

TCP/IP Protocol

Transmission Management Procedure (TCP) and also Web Method (IP) are 2 distinct computer network procedures usually utilized all together. Due to their recognition and large adoption, they are actually built in all functioning devices of networked devices.

IP corresponds to the System level (Level 3) whereas TCP relates the Transportation layer (Layer 4) in OSI. TCP/IP relates to network interactions where the TCP transportation is actually used to produce records throughout IP systems.

TCP/IP methods are generally utilized with other protocols such as HTTP, FTP, SSH at application layer and Ethernet at the data link/physical layer.

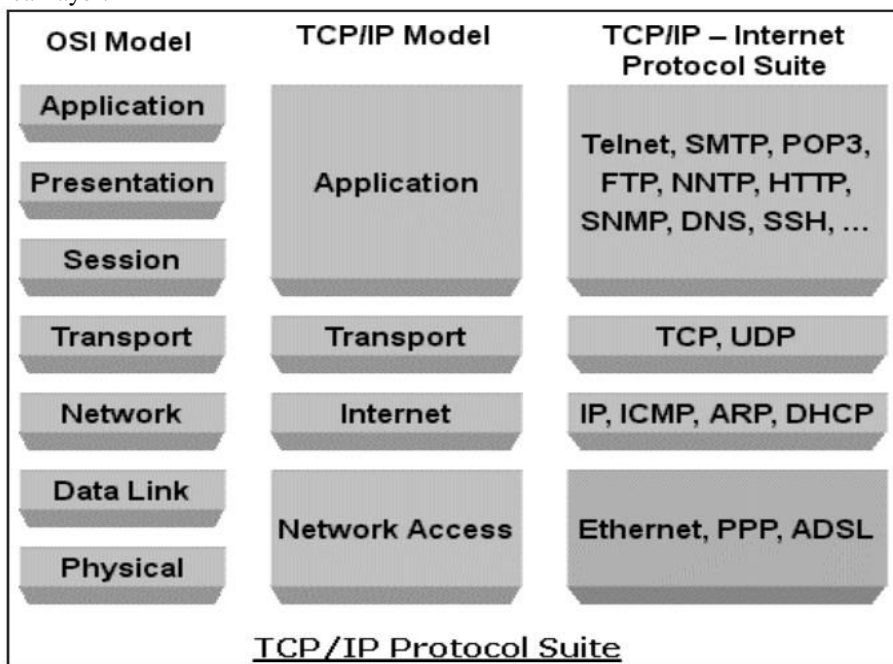


Figure 2

TCP/IP protocol set was generated in 1980 as an internetworking solution along with really little bit of worry for surveillance facets.

It was developed for an interaction in the minimal relied on system. However, over a period, this process came to be the de-facto specification for the unprotected Web interaction.

Some of the popular surveillance susceptibilities of TCP/IP procedure fits are actually:

HTTP is actually a treatment coating procedure in TCP/IP collection used for transfer files that compose the website from



the web servers. These transmissions are actually performed in plain text and also a trespasser may easily read the data packages traded between the server as well as a customer.

Another HTTP vulnerability is a weak authorization between the customer as well as the internet hosting server in the course of the booting up of the treatment. This vulnerability can result in a session hijacking attack where the assailant swipes an HTTP treatment of the legit consumer.

TCP method susceptibility is actually three-way handshake for hookup facility. An assailant can release a rejection of service spell "SYN-flooding" to manipulate this susceptibility. He establishes great deal of half-opened sessions by not completing handshake. This causes server overloading and inevitably a wreck.

IP coating is actually vulnerable to several vulnerabilities. By means of an IP process header customization, an aggressor can easily release an IP spoofing strike.

Apart from those, numerous various other safety vulnerabilities exist in the TCP/IP Process household in style as well in its implementation.

Furthermore, in TCP/IP located system interaction, if one layer is hacked, the other layers do not become aware of the hack and the entire communication gets compromised. Hence, there is need to employ security controls at each layer to ensure foolproof security.

DNS Protocol

Domain Name System(DNS) is used to fix host domain names to Internet Protocol deals with. System users depend upon DNS functionality generally during surfing the Web through keying an URL in the internet browser.

In an attack on DNS, an opponent's intention is actually to customize a legit DNS record so that it acquires solved to a wrong IP address. It may direct all traffic for that IP to the inappropriate computer system. An attacker may either capitalize on DNS process susceptibility or endanger the DNS server for unfolding a spell.

DNS cache poisoningis actually an attack making use of a susceptibility found in the DNS method. An assailant might poison the store by forging a feedback to a recursive DNS concern delivered by a resolver to a reliable web server. The moment, the cache of DNS resolver is poisoned, the host will obtain directed to a malicious website as well as might weaken credential information by communication to this website.

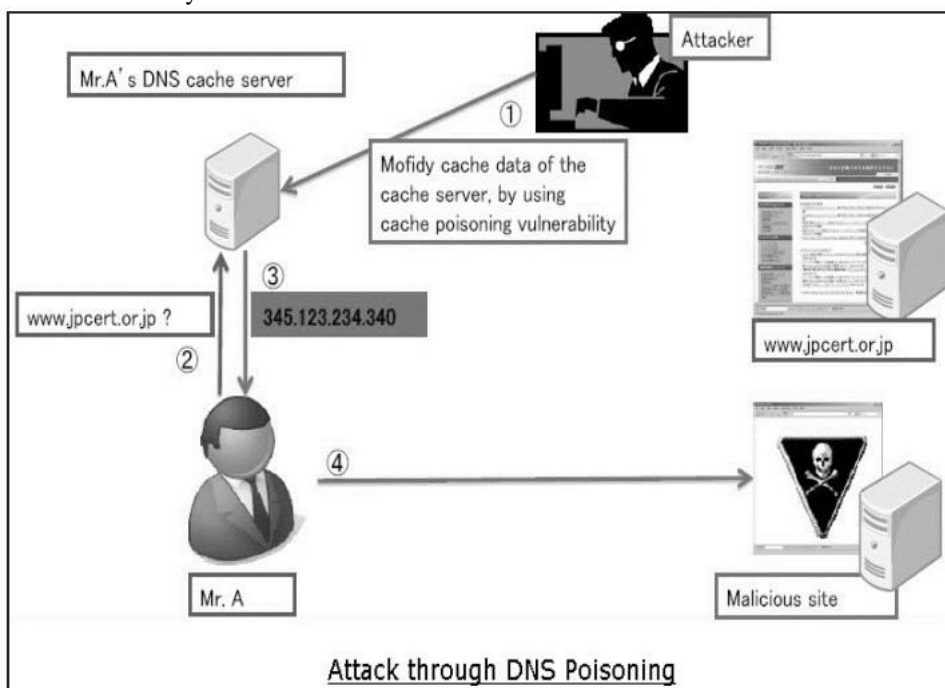


Figure 3



ICMP Protocol

Internet Control Management Protocol (ICMP) is actually a simple network administration protocol of the TCP/IP networks. It is made use of to send mistake as well as command notifications regarding the standing of on-line gadgets.

ICMP is actually an integral part of the Internet Protocol system implementation as well as hence is present in incredibly network setup. ICMP has its personal susceptibilities and can be misused to launch a criticism on a system.

The usual spells that can easily happen on a network due to ICMP weakness are:

ICMP allows an attacker to perform network search to calculate network geography and also paths right into the system. ICMP swing entails discovering all lot IP handles which are alive in the entire intended's system.

Track option is actually a well-liked ICMP power that is made use of to map aim at networking by describing the pathway in real-time coming from the customer to the remote control multitude.

An attacker can launch a rejection of service attack utilizing the ICMP vulnerability. This strike entails sending IPMP ping packets that goes over 65,535 bytes to the intended unit. The intended personal computer stops working to handle this package correctly and also can trigger the operating system to pulverize.

Various other methods like ARP, DHCP, SMTP, and so on likewise possess their vulnerabilities that may be capitalized on by the assaulter to weaken the network surveillance

The least worry for the safety aspect in the course of design as well as implementation of process has actually turned into a main root cause of dangers to the network security.

IV. TECHNIQUES FOR NETWORK SECURITY

Network Scanning: These are actually fast as well as may effectively check the multitudes, depending on the amount of multitudes readily available in the system. They are actually strongly automated and are actually available along with lots of freeware tools for which it needs competence to translate the outcomes. Additionally these procedures are certainly not therefore expensive.

Susceptibility Scanning: This type of approach is made use of to identify the well-known susceptibilities i.e. the surface area susceptibility as well as might provide guidance on getting rid of those uncovered weakness. Also these are actually easy to run and offered in high costs.

Penetration Testing: Infiltration Testing verifies the susceptibilities which are actually beyond the surface area susceptibility amount as well as are repeatedly exploited to acquire greater productivity, where the vulnerabilities are actually not theoretical. It is actually quite time eating process since all the multitudes available on huge or even moderate sized systems are examined separately. This may be harmful if managed through unskilled specialists.

Code Splitting: This procedure is used to rapidly discover the code of the individual or the network, and also can precisely reveal the durability of the password to become broken. But few organizations do not support this type of technique due to and have restricted the proxy sites for avoiding hacking.

Log Reviews: this type of technique acts as the source of data which provides the excellent information based on the existing records, which makes the task tedious to manually review and automated tools do not work perfectly for these because they can filter the vital data.

V. CONCLUSION

Safety and security is a really tough and vital important subject. Everyone possesses a various suggestion pertaining to surveillance policies, and what levels of risk serve. The trick for building a protected system is actually to describe what protection indicates to your necessity of the moment and also use. As soon as that has been defined, every thing that continues the system may be evaluated relative to that plan. It is essential to develop units and networks in such a way that the consumer is certainly not constantly told of the surveillance unit around him however Users that discover protection plans and units too selective will certainly find ways around all of them.



REFERENCES

- [1] Muhammad Abedin, Syeda Nessa, Latifur Khan, Bhavani Thuraisingham. "Diagnosis and Settlement of Irregularities in Firewall Policy Terms", In Proc. 20th IFIP WG 11.3 Functioning Meeting on Information as well as Uses Protection (DBSec 2006), Springer-Verlag, July 2006, SAP Labs, Sophia Antipolis, France (2006).
- [2] Peddyreddy. Swathi, "Approaches And Objectivestowards Financial Management", International Journal of Advanced in Management, Technology and Engineering Sciences, Volume IV, Issue I, 2014
- [3] Peddyreddy. Swathi, "An Overview On The Types Of Capitalization", International Journal of Advanced in Management, Technology and Engineering Sciences, Volume VI, Issue I, 2016
- [4] Peddyreddy. Swathi, "Architecture And Editions of Sql Server", International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Volume 2, Issue 4, May-June-2017
- [5] Peddyreddy. Swathi, "Scope of Financial Management and Functions of Finance", International Journal of Advanced in Management, Technology and Engineering Sciences, Volume III, Issue 1, 2013
- [6] Peddyreddy. Swathi, "A Study On Security Towards Sql Server Database", JASC: Journal of Applied Science and Computation, Volume V, Issue II, February2018
- [7] Peddyreddy. Swathi, "A Comprehensive Review on The Sources of Finance", International Journal of Scientific Research in Science, Engineering and Technology, Volume 1, Issue 4, July-August 2015
- [8] Peddyreddy. Swathi, "A Study on SQL - RDBMS Concepts And Database Normalization", JASC: Journal of Applied Science and Computations, Volume VII, Issue VIII, August2020
- [9] Peddyreddy. Swathi, "A Comprehensive Review on SQL - RDBMS Databases", Journal of Emerging Technologies and Innovative Research, Volume 6, Issue 3, March 2019.
- [10] Peddyreddy. Swathi, "An Overview on the techniques of Financial Statement Analysis", Journal of Emerging Technologies and Innovative Research, Volume 1, Issue 6, November 2014
- [11] Peddyreddy. Swathi, "COMPLEXITY OF THE DBMS ENVIRONMENT AND REPUTATION OF THE DBMS VENDOR", Journal of Interdisciplinary Cycle Research, 13 (3), 2054-2058
- [12] Peddyreddy. Swathi, "Implementation of AI-Driven Applications towards Cybersecurity", JASC: Journal of Applied Science and Computations, 7(8), 127-131
- [13] Peddyreddy. Swathi. (2022). Implications For Research In Artificial Intelligence. Journal of Electronics,Computer Networking and Applied Mathematics(JECNAM) ISSN : 2799-1156, 2(02), 25–28. Retrieved from <http://journal.hmjournals.com/index.php/JECNAM/article/view/447>
- [14] Peddyreddy. Swathi. (2022). A Study On The Restrictions Of Deep Learning. Journal of Artificial Intelligence,Machine Learning and Neural Network (JAIMLNN) ISSN: 2799-1172, 2(02), 57–61. Retrieved from <http://journal.hmjournals.com/index.php/JAIMLNN/article/view/444>
- [15] Peddyreddy. Swathi. (2022). Industry Applications of Augmented Reality and Virtual Reality. Journal of Environmental Impact and Management Policy(JEIMP) ISSN:2799-113X, 2(02), 7–11. Retrieved from <http://journal.hmjournals.com/index.php/JEIMP/article/view/453>
- [16] Kola Vasista. (2022). Benefits And Approaches Of Artificial Intelligence. Journal of Artificial Intelligence,Machine Learning and Neural Network (JAIMLNN) ISSN: 2799-1172, 2(02), 52–56. Retrieved from <http://journal.hmjournals.com/index.php/JAIMLNN/article/view/443>
- [17] Kola Vasista. (2022). Practical Approach Of Implementing Artificial Intelligence. Journal of Electronics,Computer Networking and Applied Mathematics(JECNAM) ISSN : 2799-1156, 2(02), 21–24. Retrieved from <http://journal.hmjournals.com/index.php/JECNAM/article/view/445>
- [18] Vasista, K. (2022). Evolution of AI Design Models. Central Asian Journal Of Theoretical & Applied Sciences, 3(3), 1-4. Retrieved from <https://cajotas.centralasianstudies.org/index.php/CAJOTAS/article/view/415>
- [19] Vasista, K. (2022). Augmented Reality Vs. Virtual Reality. Central Asian Journal Of Mathematical Theory And Computer Sciences, 3(3), 1-4. Retrieved from <https://cajmtcs.centralasianstudies.org/index.php/CAJMTCS/article/view/154>
- [20] Kola Vasista. (2022). Implications for Policy and Practice Towards VR and AR. Journal of Environmental Impact and Management Policy(JEIMP) ISSN:2799-113X, 2(01), 13–17. Retrieved from <http://journal.hmjournals.com/index.php/JEIMP/article/view/452>
- [21] Kola Vasista, "Foreign Capital Issuance and Participants in the Securities Market", International Journal of Research and Analytical Reviews, VOLUME 2, ISSUE 4, OCT. – DEC. 2015
- [22] Kola Vasista, "A Research Study On Major International Stock Market", International Journal of Research and Analytical Reviews, VOLUME 4, ISSUE 3, JULY – SEPT. 2017



- [23] Kola Vasista, "A Review On The Various Options Available For Investment", International Journal Of Creative Research Thoughts - IJCRT (IJCRT.ORG), Volume 7, Issue 2, April 2019, ISSN: 2320-2882
- [24] Kola Vasista, "Types And Risks Involved Towards Investing In Mutual Funds", International Journal of Current Science (IJCS PUB), Volume 12, Issue 1, March 2022 , ISSN: 2250-1770
- [25] Kola Vasista, "Role Of a Stock Exchange In Buying And Selling Shares", International Journal of Current Science (IJCS PUB), Volume 12, Issue 1, March 2022 , ISSN: 2250-1770
- [26] Kola Vasista, "A Detailed Study On The Factors Influencing The Price Of a Stock", International Journal of Novel Research and Development, Volume 2, Issue 8, August 2017, ISSN: 2456-4184
- [27] Kola Vasista, "Objectives And Importance Of Capital Markets And The Role Of Financial Institutions", International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.2, Issue 9, page no.475-478, September-2015, Available :<http://www.jetir.org/papers/JETIR1701762.pdf>
- [28] Kola Vasista, "An Overview On Provident Fund, Pension Funds, Pfrda, Insurance Companies And IRDA", International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.5, Issue 10, page no.284-287, October-2018, Available :<http://www.jetir.org/papers/JETIR1810A93.pdf>
- [29] Kola Vasista, "Regulatory Compliance and Supervision of Artificial Intelligence, Machine Learning and Also Possible Effects on Financial Institutions", International Journal of Innovative Research in Computer and Communication Engineering, Volume 9, Issue 6, June 2021
- [30] Kola Vasista, "Micro-Financial Analysis And A Schematic View of Ai, Machine Learning and Big Data Analytics On Financial Markets", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), Volume 7, Issue 3, 2021
- [31] Kola Vasista, "Implications of AI and Machine Learning Applications Towards Financial Markets", International Journal of Scientific Research in Science and Technology (www.ijrst.com), Volume 4, Issue 2, 2018
- [32] Kola Vasista, "Scope for the Usage of AI and Machine Learning in Portfolio Management and Possible Effects on Consumers and Investors", "International Journal of Innovative Research in Science, Engineering and Technology", Volume 5, Issue 2, Feb 2016
- [33] Anumandla Mounika, "Threats, Opportunities Of The Cloud And Provision Of Application Services", JASC: Journal of Applied Science and Computations, Volume 2, Issue 1, Jan-June 2015
- [34] Anumandla Mounika, "Security And Privacy Issue Towards Data Security In Cloud Computing", JASC: Journal of Applied Science and Computations, Volume 1, Issue 1, January-June 2014
- [35] Anumandla Mounika Reddy, "IOT data discrimination and data protection", International Journal of Academic Research and Development, Volume 6, Issue 5, 2021, Page No. 20-22
- [36] Anumandla Mounika, "Data Security In The Cloud", The International journal of analytical and experimental modal analysis, Volume 1, Issue 4, July-December-2012
- [37] Anumandla Mounika, "A Review On Cloud Computing Platforms And Enterprise Cloud Computing Paradigm", The International journal of analytical and experimental modal analysis, Volume III, Issue II, July-November-2011
- [38] Anumandla Mounika, "An Overview On The Architectural Components Of Cloud", International Journal of Research, Volume 6, Issue 12, December 2017
- [39] Anumandla Mounika, "A Study On Cloud Computing Strategy Planning And Sla Management In Cloud", International Journal of Research, Volume 7, Issue 7, JULY 2018
- [40] Anumandla Mounika, "Process Of Migrating Into a Cloud And Issues In Cloud Computing", Journal of Interdisciplinary Cycle Research, Volume 2, Issue 1, January-June-2010
- [41] Anumandla Mounika, "Cloud Computing Infrastructure And Cloud Adoption Challenges", Journal of Interdisciplinary Cycle Research, Volume VI, Issue II, July-December 2014
- [42] Anumandla Mounika, "Technical Benefits And Architecting Cloud Applications In The Aws Cloud", Parishodh Journal, Volume VIII, Issue III, March-2019
- [43] Anumandla Mounika Reddy, "Service and deployment service models, IOT physical servers and cloud offerings", International Journal of Advanced Research and Development, Volume 6, Issue 4, 2021, Page No. 5-7
- [44] Anumandla Mounika Reddy, "A Review on IoT Enabled Technologies and Back-End Data-Sharing Model", "Journal of Electronics, Computer Networking and Applied Mathematics", Vol 01, No. 01, Aug-Sep 2021
- [45] Anumandla Mounika Reddy, "Unique Privacy Aspects of Internet of Things", "Journal of Artificial Intelligence, Machine Learning and Neural Network", Vol 01, No. 01, Aug-Sep 2021
- [46] Anumandla Mounika, "A Review on Applications of Artificial Intelligence for Public Cloud", International Journal of Scientific Research & Engineering Trends, Volume 7, Issue 3, May-June-2021
- [47] Satya Nagendra Prasad Poloju, "Data Mining As a Support For Business Intelligence Applications To Big Data",



International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882, Volume.7, Issue 2, pp.850-854, April 2019, Available at :<http://www.ijcrt.org/papers/IJCRT1134576.pdf>

[48] Satya Nagendra Prasad Poloju, "Big Data Analytics: Data Pre-Processing, Transformation And Curation", International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882, Volume.5, Issue 2, pp.835-839, May 2017, Available at :<http://www.ijcrt.org/papers/IJCRT1134573.pdf>

[49] Satya Nagendra Prasad Poloju, "Applications Of Big Data Technology And Cloud Computing In Smart Campus", International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882, Volume.1, Issue 2, pp.840-844, September 2013, Available at :<http://www.ijcrt.org/papers/IJCRT1134574.pdf>

[50] Satya Nagendra Prasad Poloju, "Relevant Technologies of Cloud Computing System", International Journal of Engineering Research and Applications, ISSN: 2248-9622, Vol. 4, Issue 4, (Version-3) April 2014, pp. 74-78, Available at:[https://www.ijera.com/pages/v4no4\(v3\).html](https://www.ijera.com/pages/v4no4(v3).html)

[51] Satya Nagendra Prasad Poloju, "Service Models Towards The Evolution Of Cloud Computing", International Journal of Engineering Research and Applications, ISSN: 2248-9622, Vol. 10, Issue 6, (Series-VIII) June 2020, pp. 77-81, Available at:<https://www.ijera.com/pages/v10no6.html>

[52] Satya Nagendra Prasad Poloju, "Global Optimization Of Complex Systems With Big Data", International Journal of Novel Research and Development (www.ijnrd.org), ISSN:2456-4184, Vol.1, Issue 3, page no.1-6, December-2016, Available :<http://www.ijnrd.org/papers/IJNRD1612001.pdf>

[53] Satya Nagendra Prasad Poloju, "Techniques For Improving Network Performance Using Big Data", International Journal of Novel Research and Development (www.ijnrd.org), ISSN:2456-4184, Vol.3, Issue 3, page no.64-69, March-2018, Available :<http://www.ijnrd.org/papers/IJNRD1803015.pdf>

[54] Satya Nagendra Prasad Poloju, "A Survey On Big Data Driven Networking And Cloud Computing Service Models", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.1, Issue 3, Page No pp.591-596, July 2014, Available at : <http://www.ijrar.org/IJRAR19D3651.pdf>

[55] Satya Nagendra Prasad Poloju, "Evolution Of Data Mining Technique To Big Data Analytics And Big Data Analytics-Powered Industrial Solutions", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.5, Issue 4, Page No pp.584-590, November 2018, Available at : <http://www.ijrar.org/IJRAR19D3650.pdf>

[56] Satya Nagendra Prasad Poloju, "Big Data Analytics-Powered Design Cycle And Deployment Of Big Data Analytics In The Cloud", International Journal of Emerging Technologies and Innovative Research (www.jetir.org | UGC and issn Approved), ISSN:2349-5162, Vol.9, Issue 5, page no. pp218-d223, May-2022, Available at : <http://www.jetir.org/papers/JETIR2205446.pdf>

[57] Satya Nagendra Prasad Poloju, "Cloud Computing Environments For Big Data", International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.4, Issue 9, page no.827-830, September 2017, Available :<http://www.jetir.org/papers/JETIR1709122.pdf>

[58] Satya Nagendra Prasad Poloju, "A Study On The Principles Associated With Cloud Computing", Strad Research, VOLUME 6, ISSUE 12, 2019

[59] Satya Nagendra Prasad Poloju, "Comparison Of Cloud Computing Deployment Models And Web 2.0 Interfaces To The Cloud", Strad Research, VOLUME 8, ISSUE 2, 2021

[60] Adithya Vuppula, "Classification and Visualization of Data Mining Model", "International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering", Vol. 4, Issue 8, August 2015

[61] Adithya Vuppula, "Data Mining: Convergence of Three Technologies", "International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering", Vol. 7, Issue 6, June 2018

[62] Adithya Vuppula, "Initiatives of 5G Vision and 5G Standardization", International Journal of Innovative Research in Computer and Communication Engineering", Vol. 6, Issue 2, February 2018

[63] Adithya Vuppula, "Security Mechanisms for IOT Services and Differences between IOT and Traditional Networks", "International Journal of Innovative Research in Science, Engineering and Technology", Vol. 6, Issue 2, February 2017

[64] Adithya Vuppula, "Communication and Protocols towards IOTBased Security", "International Journal of Innovative Research in Science, Engineering and Technology", Vol. 3, Issue 10, October 2014

[65] Adithya Vuppula, "Principles of Wireless Networking and Radio Transmission Technology", "International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering", Vol. 1, Issue 2, August 2012



- [66] Adithya Vuppula, "Integrating Data Mining with Cloudusing Four Levels of Data Mining Services", "International Journal Of Multidisciplinary Research In Science, Engineering and Technology (IJMRSET)", Volume 4, Issue 5, May 2021
- [67] Adithya Vuppula, "A Study on Minnesota Intrusion Detection System (Minds)", "International Journal Of Multidisciplinary Research In Science, Engineering and Technology (IJMRSET)", Volume 1, Issue 1, November 2018
- [68] Adithya Vuppula, "Optimization Of Data Mining And The Role Of Big Data Analytics In Sdn And Intra-Data Center Networks", International Journal of Science & Engineering Development Research (www.ijedr.org), ISSN:2455-2631, Vol.1, Issue 4, page no.389 - 393, April-2016, Available :<http://www.ijedr.org/papers/IJEDR1604070.pdf>
- [69] Adithya Vuppula, "Efficiency And Scalability Of Data Mining Algorithms", International Journal of Science & Engineering Development Research (www.ijedr.org), ISSN:2455-2631, Vol.4, Issue 9, page no.322 - 328, September-2019, Available :<http://www.ijedr.org/papers/IJEDR1909045.pdf>
- [70] Adithya Vuppula, "An Overview on the Types of Wireless Networks", "International Journal of Innovative Research in Computer and Communication Engineering", Vol. 1, Issue 9, November 2013
- [71] Adithya Vuppula, "Bonferroni's Principle for The Categorization Data Mining Systems", International Journal of Scientific Research in Science and Technology (www.ijrst.com), Volume 2, Issue 5, September-October-2016
- [72] Adithya Vuppula, "Applying Data Mining Techniques Towards Exploring Variables Using Weka Explorer Interface", "Shodhshauryam, International Scientific Refereed Research Journal", Volume 1, Issue 2, July-August-2018
- [73] Vasundhara D.N, Seetha M, "Rough-set and artificial neural networks-based image classification", 2ndInternational Conference on Contemporary Computing and Informatics (IC3I) 2016, 35-39.
- [74] D.N. Vasundhara, M. Seetha, "Accuracy assessment of rough set based SVM technique for spatial image classification", International Journal of Knowledge and Learning, Vol. 12, No. 3, 2018, 269-285.
- [75] Dr. R. LAKSHMI TULASI, M.RAVIKANTH, "Intrusion Detection System Based On 802.11 Specific Attacks", International Journal of Computer Science & Communication Networks, Vol 1, Issue 2, Nov 2011
- [76] Ravikanth, Suresh.CH, Sudhakar Yadav.N, "Image Based Kitchen Appliances Recognition And Recommendation System", GIS SCIENCE JOURNAL, Vol.8, Issue No. 12, December 2021
- [77] Dr. Joel Sunny Deol Gosu, Dr. Pullagura Priyadarsini Ravi Kanth Motupalli, "A Hybrid Approach for the Analysis of Feature Selection using Information Gain and BAT Techniques on The Anomaly Detection", Turkish Journal of Computer and Mathematics Education, Vol.12, No. 5, April 2021
- [78] D.N. Vasundhara, M. Seetha, "Hybrid Classification Models using ANN and Fuzzy Support Vector Machines on Spatial Databases", Data Mining and Knowledge Engineering, Vol.7, Issue 8, 2015, 279-282.
- [79] Vivek Thoutam, "An Overview On The Reference Model And Stages Of lot Architecture", "Journal of Artificial Intelligence, Machine Learning and Neural Network", Vol 01, No 01, Aug-Sept 2021
- [80] Vivek Thoutam, "A Study On Python Web Application Framework", "Journal of Electronics, Computer Networking and Applied mathematics", Vol 01 , No 01, Aug-Sept 2021
- [81] Vivek Thoutam, "Physical Design, Origins And Applications Of lot", Journal of Multidisciplinary Cases, Vol 01 , No 01 , Aug-Sept 2021
- [82] Vivek Thoutam, "ModelsAnd Algorithms Of Artificial Intelligence", International Journal of Management, Technology And Engineering, Volume X, Issue XI, NOVEMBER 2020
- [83] Vivek Thoutam, "Machine Learning Vs Artificial Intelligence", International Journal of Scientific Research in Science and Technology, Volume 6, Issue 4, July-August-2019
- [84] Vivek Thoutam, "Unique Security Challenges of IoT Devices and Spectrum of Security Considerations", Journal of Artificial Intelligence, Machine Learning and Neural Network, Vol 01, No. 2, Oct-Nov 2021
- [85] Vivek Thoutam, "Artificial Intelligence And Machine Learning In Regulatory Compliance And Supervision", JASC: Journal of Applied Science and Computations, Volume VII, Issue V, May2020
- [86] Vivek Thoutam, "IoT Clod Convergence, Emerging Economy and Development Issues", Journal of Environmental Impact and Management Policy, Vol 01, No 02, 2021
- [87] Vivek Thoutam, "A comprehensive review on communication enablers and communication models of IoT", Journal of Community pharmacy practice, Vol 1, No 2, 2021
- [88] Vivek Thoutam, "Pros and Cons of Artificial Intelligence", Journal of Emerging Technologies and Innovative Research, volume 2, Issue 12, December 2015.
- [89] Vivek Thoutam, "Difficulties with Missing Data in Different Applications", Journal of Emerging Technologies and Innovative Research, volume 5, Issue 6, June 2018
- [90] Vivek Thoutam, "Cloud-Based ML Framework Working with Our Existing Data Sources and Analytic Tools",



International Journal Of Multidisciplinary Research In Science, Engineering and Technology, Volume 5, Issue 1, January 2022

[91] Vivek Thoutam, “SQL Injection Vulnerabilities Prevention through ML IPAAS Architecture”, International Journal of Novel Research and Development (www.ijnrd.org), 7 (3), 2022

[92] Vivek Thoutam, “Future Research Directions And Challenges Towards IoT”, International Journal of Creative Research Thoughts (IJCRT) 10 (2), 2022

[93] Vivek Thoutam, “An Overview On The Iot Levels And Deployment Templates”, International Journal of Applied and Structural Mechanics (IJASM), volume 1, Issue 02, November 2021

[94] Vivek Thoutam, “Genetic Algorithms and Developments of Intelligent Machines”, International Journal of Research and Applications, 7(28), 2020

[95] Vivek Thoutam (2020). Architectures of Intelligent Systems in Engineering Biolife. 8(4), 8-14. DOI: <https://dx.doi.org/10.17812/blj.2020.8402>.

[96] Ali, showkat as well as Kate A.Smith" On learningalgo option for claasification" Applied smooth finishing2006.



INNO SPACE
SJIF Scientific Journal Impact Factor
Impact Factor
7.54

ISSN

INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA



INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY RESEARCH IN SCIENCE, ENGINEERING AND TECHNOLOGY

| Mobile No: +91-6381907438 | Whatsapp: +91-6381907438 | ijmrset@gmail.com |

www.ijmrset.com