

Automation for Video Action Recognition on Image Processing

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Abstract - Human action wave has been very much studied in uses of PC vision. Several abundant activity acknowledgement plans have shown that movement information can be added from undertaking footages or still images. Activity acknowledgement techniques skill the ill effects of lacking adequate named preparing recordings. In such cases, over-fitting would be a likely issue, and the exhibition of activity acknowledgement is limited. Many current video activity acknowledgement techniques experience the ill effects of lacking adequate named preparing recordings. In such cases, over-fitting would be a likely issue, and the presentation of activity acknowledgement is controlled. This paper proposes a variation technique to upgrade recording activity acknowledgement by adjusting information from pictures. In the meantime, stretched out the variation strategy to a semi-managed structure that can use both named and unlabeled recordings. The activity video acknowledgement can be arranged into a picture outline design by utilizing IVA calculation to increase precision and characterize the casing of obscured images. The over-fitting can be eased, and the exhibition of activity acknowledgement is enhanced. Semi-Managed Picture to-Video Transformation for Video Activity Acknowledgment, Trials on open benchmark datasets and genuine world datasets show that our technique beats a few other bests in-class movement greeting approaches

Keywords: Semi-supervised, Dataset, Independent Vector Analysis (IVA).



Impact of E-Learning Student Portal for the Department

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Abstract - With the vast changes in scenarios across the world, our learning today is no longer confined to college classrooms with lecture delivery as the only method of conveying knowledge, rather, it has evolved to electronic means of learning. Electronic Learning (e-Learning) has made learning possible from anywhere, at any time using the internet. Today's technology makes it possible for our students to access an abundance of learning resources to help them learn anything. However, with more resources comes the potential for chaos. Learners can't find pertinent result or what they need, appropriately. This is where a learning portal can prove to be handy.

Keywords: E-Learning, Student Portal, Method Of Conveying Knowledge, Student In Each Circumstance.



Brain Tumor Detection Using Image Processing Technique from MRI Images Based on OTSU Algorithm

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Abstract - A brain Tumor is the formation of abnormal cells within the group of a layer of the brain. One out of twenty people with brain tumors loses their lives due to the tumor's failed detection. Well-trained physicians can spot these tumors through a series of examinations and MRI scans. However, some artifacts in the scan mislead them and misread the scan result. The project's main purpose is to find the brain tumors precisely despite the artifacts. The MRI (Magnetic Resonance Imaging) scan images of different patients at different stages are used to detect tumors. Another methodology propelled by edge division and morphological activity has been utilized to distinguish the suspicious region of tumors in exact. These techniques with different image processing methodologies include noise removal, filtering, segmentation, bounding box, tumor alone, tumor outline and detection. The brain tumor can be detected, and finding the tumor from an MRI scan is accomplished using MATLAB software.

Keywords: Brain Tumor, MRI, OTSU Threshold Segmentation.



Ethiopia's Unconventional Covid-19 Response and Corona Virus Status

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Abstract

In the new decade of the 21st century, a new virus has emerged named severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). A large group of the virus is considered to be a Coronavirus. It is known to cause illness that varies between the common cold and more severe disease named severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). It is very epidemic, and first, it was found in Wuhan, China. This makes many lives to be threatening respiratory failure. Technological development is very important to prevent further epidemics and cure infections. Here we summarize the current information about the status of Coronavirus taking place in Ethiopia.

Keywords: Covid-19; Corona Virus Status; World Health Organization (WHO); RT-PCR; X-rays and C.T. scans; SARS-CoV-2.



Grouping and Detection of Fake News via web-based media Using Machine Learning in Amharic Language

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Abstract: Bogus Internet news is widely regarded as fake articles purposefully made to mislead the reader. The continuing nature of social media platforms has led to an excessively large quantity of social network multimedia system information. Openness and unlimited information sharing on social media platforms promote information across the network regardless of its creditworthiness. It was difficult to find trustworthy sources for news media in the multiplication of misleading information in daily news shops such as social media feeds, news blogs and online news media. Machine tools could provide insights into the reliability of online content. The intensive development of false news can have highly detrimental effects on human beings and society. Consequently, pretending that news detection in social media has recently gained enormous attention. The analytical community attracted the attention of the analytics community because of the losses caused by the rapid dissemination of false news in multiple industries such as politics and finance. A social networking service is a platform where social media or social relationships are established between persons who share interests, hobbies, backgrounds or links to real life. Participants who register on the current website with a unique (typically profile) illustration and social links are offered a social networking service in large part.

Keywords: Amharic Fake News, Machine learning, web-based media, social networking service



Career Progression as a Mediating Variables in a Context of the Development of Critical Thinking, Opportunities, and Workplace on Performance Management Using Machine Learning Approach

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Abstract: Perhaps one staff's responsibility is to prepare the institution's overall output to succeed and achieve its potential goals in a volatile market climate. The first step is to improve employee performance within the company; as we all recognize, employees are the most important capital to ensure high viability. This study aimed to increase employee engagement in Province. The business's results in 2019 that was not maximized will be used as a backdrop in this review. Employees with effective communication skills can finish the job correctly because work engagement can increase with motivation and a healthy working atmosphere. With job satisfaction as a mediating factor, this study aims to assess and evaluate the impact of social skills, rewards, and work climate on employee performance at P.T. State in Country. This study is an explanation study. The participants in this study are all full-time workers. Finally, we will examine the findings and explore alternative solutions enhancements to our model. The findings revealed that communication skills have the greatest effect on employee success, while the workplace environment has the least impact. Benefits that have the greatest impact on job satisfaction and communication skills have the least impact. Job satisfaction has been shown to have an important and beneficial effect on employee performance regarding communication skills, rewards, and work climate.

Keywords: Information and Communication Technology; ICT Knowledge; Transfer ICT Application; employee engagement; factor analysis; multiple linear regression.



Privacy-Protected Photo Sharing in Social Media Platform

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Abstract: The advancement of the social communication platform, sharing snapshots, videos, and much more information has become a prominent way of retaining connections with multiple users. Despite the sensitive data the photo holds, it will be an effortless way for the evil-minded user to steal the data of those who appear in the picture. Dealing with the privacy exposure provoked by sharing snapshots that contain the faces of various end-users attracted the minds of many social media users. Sharing a picture that contains multiple clients, the person who uploads the images should consider the interconnected client's privacy. This paper proposes a privacy-protected mechanism based on the level of assurance the interconnected client gives to the person who uploads the picture. The thought process of this mechanism is while uploading an image of a co-owned photo, and a request is sent to the related user based on the reply the related user gives; the photo is displayed to the followers of the uploader. With the help of this privacy, the related user will not be compromising.

Keywords: social communication platform, privacy exposure, privacy-protected mechanism, unnamed picture, threshold.



Triple Encryption Method for Data Security in Cloud Environment

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Abstract: Cloud computing plays a key role in the implementation of commercial systems. It helps companies like Microsoft, Amazon, IBM, and Google deliver their services to their customers on a large scale. A third-party service company operates the cloud computing-centric network and applications. The Cloud Service Provider (CSP) is an entity that works in both all organizations. It, therefore, suffers from systemic defects, including internal and external attacks. So, its organizational mission is to secure a provider of cloud services while ensuring the quality of service. A hierarchical Multi Authority ABE (HMA-ABE) framework to provide oversight of fine-grained access is proposed here. But the scalability and versatility of these systems are missing. Encryption based attributes could also be used for data protection with Key Policy Attribute-Based Encryption (KP-ABE) or Text Policy Attribute-Based Encryption (CPABE) encryption. Finally, it uses the triple encryption and decryption algorithm.

Keywords: CP-ABE, Access policy, ABE, Public Key cryptography, Hierarchy, Multi Authority



Perceptron in Supervised, Semi-Supervised, Unsupervised Learning and Artificial Neural Network

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Abstract: The proficient realization of a distinct neuron is needed for on a broad scale, software defined recognition of an artificial neural network (ANN). The majority of reconfigurable computing systems equipped with FPGAs are suitable for NN hardware execution. Understanding ANNs on an FPGA It's difficult to work with a huge number of neurons. Since relatively high statistic (HOS) maintain spectral analysis, this study uses one-dimensional slices from the higher-order spectral domain of normal and ischemic subjects. A feedforward multilayer neural network (NN) with error back propagation is used in this learning algorithm (BP). Different NN structures are evaluated using two data sets derived from polyspectrum slices and polycoherence. This paper compares and contrasts reviews of numerous research papers on neural networks, with an emphasis on the FPGA-based activity of multiple activation function and mesoporous with or without linearity properties. It is intended to change signed decimal facts using a reserve substitution execution technique. For the proposed work, a thorough analysis of numerous research papers was conducted. To find a template for the diagnosis, the suggested paper uses a Multi-Layer Perceptron with a back-proliferation learning technique. A brief introduction to artificial neural networks, as well as applications, is given in this paper.

Keywords: Deep-learning; Neural networks; Artificial neurons; Supervised learning; Machine learning; Regression.



Tesseract Aid for Blind People Using Optical Character Recognition (OCR) Algorithm

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Abstract: Great vision is a valuable gift, yet tragically, vision misfortune is becoming normal these days. Outwardly impeded individuals report countless hardships in their everyday life. One of the primary and most significant challenges is understanding texts. To assist with blinding individuals, the visual world must be changed into the sound world with the possibility to illuminate them about texts they are running over. In this venture, we will quite often give them a gadget that could help them in their consistently exercises by assisting them with further developing perusing and advancing by changing over visual texts into sound signs. This gadget catches the picture when pointed by the client and finds the message present in the picture. The text is then separated from the picture and changed over into sound to give the client an explained result. This task assists us with distinguishing different hardships in identifying and perceiving text progressively by a normal outwardly hindered individual and foster answers for help them. In our methodology, we have utilized OCR (Optical Character Recognition) for text-level forecasts, and afterward we get the boxed math result of the relative multitude of texts in the pictures. Then, at that point, for acknowledgment of the text, we give it to tesseract OCR to get the separated text, and afterward we convert the text to discourse for the result. The primary inspiration driving our undertaking is to assist outwardly debilitated individuals with bettering perceive every one of the texts before them and assist them with carrying on with their everyday life very much like some other ordinary individual.

Keywords: Tesseract Aid; Blind People; Optical Character Recognition (OCR) Algorithm.



Students' Learning Experiences in The New Normal Education

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Abstract: This qualitative research design employing phenomenological study aimed to explore students' learning experiences in new the normal education. An individual interview was conducted in gaining insights into the participants' perceptions, understanding, and experiences upon their learning in the new normal education. The interview question first focused on the students' learning experiences in new normal education, and the second was how the students cope with the transition to the new normal education. The purposive sampling method was used in this study's conduct. Ten (10) selected students were identified as the key informant from Cotabato Foundation College of Science and Technology-Pikit Extension Unit, Batulawan, Pikit, Cotabato, Philippines. The gathered data revealed that students are exhausted and struggling to look for a stable internet connection and become self-reliant. Furthermore, it was also revealed that most participants preferred Blended Learning rather than Distance Learning. Moreover, the study found five coping mechanisms the students used: acceptance, participating and complying, browsing the internet, seeking internet connection from friends, motivation, and hard work. The participants of this study were able to express and share their learning experiences and coping mechanisms. This study could serve as a good source of useful and accurate information to convey awareness to society.

Keywords: Students, learning experiences, new normal education.



Autonomy Underwater Drone-Detailed Literature Study

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Abstract: Autonomy robots (AUDs) are controller submerged robots driven by a person or a group on the earth's surface level. A series of wires connects the administrator and the AUD, attaching these drones. Every AUD has been outfitted with a propulsion system, video camera and lights. A novel concept has been proposed. The AUD system is a ZigBee-based mobile robot that moves and controls the AUD.

Keywords: Autonomy underwater drones, sensor networks, information and communication technology, ZigBee



Hydrothermal Synthesis of Heteroatoms Incorporated Activated Carbon from Biomass for High-Performance Supercapacitors

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Abstract: To synthesize activated charcoal from kitchen waste by hydrothermal method, analyze the effects of activated charcoal, and study the effect of activated charcoal produced in a supercapacitor. After potassium hydroxide activation, the heteroatoms incorporated hydrothermal carbons exhibit higher specific capacitance. After covering the activated material, the supercapacitor went through various tests where execution of the supercapacitor was tried. The product distinguishes the charge and release cycles. Lastly, after 10,000 cycles, the presentation was noted. Also, the qualities were contrasted and other supercapacitors. The recent supercapacitor had better execution. By expanding the arrangement of the carbon in the example, the accessibility of the pores in the example is expanded, and subsequently, the capacitance of the battery can be expanded. Helps in expanding the lifetime of the battery. Supercapacitor tracks the application in environmentally friendly power framework and shrewd matrices and miniature and smaller than usual networks.

Keywords: Activated Charcoal, Hydrothermal Method, Super Capacitor.



Experimental Investigation On Isolation And Purification Of Reactive Dyes And Water Pollutant Chemicals By Flocculation Method Using Fungal Consortium

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Abstract:

Lenzites elegans, a white-rot fungus that produces ligninolytic enzymes and decolourize manufactured dyes, was isolated from rotting wood. *L. Elegans* KSG32 produced laccase (363.7 IU/mL) and lignin peroxidase (5.16 IU/mL) for the first time, according to our knowledge. The capacity of Cibacron red dye to decolourize was tested in both solid and liquid environments. The use of *L. elegans* KSG32 in the decolourization of Cibacron red dye and the chemical pollution of water. The capacity of a microorganism to cause dye discoloration has gotten a lot of press. Microbial decolourization of dyes and water pollutant compounds is thought to be a cost-effective way to remove these pollutants from the environment. There has been a lot of research in recent years on the fungus to remove dye from dye effluent. It is proving to be a viable alternative to conventional treatment methods.

Keywords: white-rot fungi, laccase, lignin peroxidase, Cibacron red dye, water pollutant chemical, decolourization



AD-HOC Better Costing Dynamic Routing Protocol for Enhancement of Network Lifetime

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Abstract: Mobile ad hoc networks are generally infrastructure-less networks that are self-organizing temporary networks. They do not have a centralized controller. They are applied in diverse sensing and mobility applications. Routing in such networks requires a lot of considerations. Energy efficiency is a challenge in MANETs. This is because since nodes are in motion, they require energy. Energy efficiency in the network is increased by reducing power consumption. This is the primary idea behind this paper. The objective is to enhance the network's lifetime by avoiding the nodes from moving out of the network. We hence propose a novel routing protocol, Ad hoc Better Costing Dynamic (ABCD) protocol, which focuses not just on the residual battery power of the node but also on the energy required to forward the packets through the route. While choosing the path, according to the Mini-max formulation, the path which has the maximum energy among the lowest hop energy is given high preference. The purpose is to avoid using the path with the lowest energy, leading to link breakage. This paper evaluates three routing protocols, Ad hoc On-demand Distance Vector (AODV) routing protocol, Dynamic Source Routing (DSR) protocol and Ad hoc Better Costing Dynamic (ABCD) routing protocol and finds the ABCD protocol to perform better.

Keywords: MANETs, residual battery power, AODV, DSR.



Machine Learning-Based Student Emotion Recognition Using CNN Algorithm

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Abstract: Human activity acknowledgement has drawn in significant examination consideration in the field of PC vision, particularly for study hall conditions. Nonetheless, most pertinent investigations have zeroed in on understudies' explicit conduct. Along these lines, this undertaking proposes an understudy conduct acknowledgement framework because of individual feelings recognition. A machine that can comprehend the feelings of a human better can anticipate and answer the human conduct better, which thus can altogether work on the effectiveness of the assignment that is intended to be finished. An AI-based convolution brain network calculation will be utilized to prepare facial inclination pictures information base and use move learning procedure to pre-train facial the model with facial picture data set, will its loads and premise. A prepared model will catch the live gushing of understudies by utilizing a high-goal advanced camcorder that countenances towards the understudies, catching their lives feelings through look, and characterizing the feelings as cheerful, nonpartisan, angry, shocked and pitiful that can offer us a piece of knowledge into the homeroom and the understudy feeling subtleties can be saved in the MYSQL data set. This exploratory methodology can be utilized for video gatherings, online classes, and so on. This recommendation can work on the exactness of feeling acknowledgement and offices quicker learning. We have introduced the exploration techniques and the accomplished outcomes on understudy feelings in a study hall air. We have proposed a better CNN model because of move discovery that interestingly develops the feelings grouping.

Keywords: Facial recognition, Emotion detection, convolutional neural network (CNN), MYSQL database.



Forecasting Stock Price Using Multiple Regression in Machine Learning

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Abstract: Stock value gauging is an occurrence and vital theme in monetary and scholarly examinations. It is a fundamental endeavour and a remarkable investigation region in the monetary space as putting resources into the stock involves more noteworthy risk. Different occasions may affect public opinions and feelings, which might influence financial exchange costs. Due to reliance on various variables, the stock costs are dynamic and not static, to a great extent boisterous and nonlinear time series information. Machine Learning has been applied to this assessment locale considering its mind-blowing learning capacity. AI computations have made a radiant impact in deciding stocks exactly. Strategies are given learning for stock worth expectation work on displaying the learning-based markers. In light of everything, doing successful figures in the monetary trade is a critical test. The essential mark of the endeavour is to zero in on the usage of Regression-based Machines getting the hang of sorting out some way to conjecture stock characteristics. This paper explains the collection of irrefutable data and changes the rough data into graphical design using python programming. Likewise, equations estimations for the elements like Momentum, Volatility, Index Momentum, Stock Momentum and Sector Momentum are clarified in the report.

Keywords: Machine Learning, Multiple Regression, algorithms, Python programming



Design of New Solar Desalination Purification Unit for Maximizing the Performance and Enhancing the Yield Rate Using Solar Energy

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Abstract: Solar energy is no pollution energy and is also a free renewable energy source. The quality of drinking water is a fundamental need of human life. So good and clean water is necessary for food, drinking, and washing purposes. Various methods are available for converting saline water into good drinking water. Those methods include desalination, vapor compression, reverse osmosis, and electro dialysis. Solar water desalination is one of the most popular solar technologies. In this innovation, the unadulterated water is created without salt substance from the aromatic water, including drag and ocean water. At the same time, contrasting and the different energy stockpiling materials, for example, glass balls, rocks, and rock. The stones and rock bed material yield more than other hot retaining materials. The best incline of the glass cover is 450, and the water profundity still is 0.040 m. The greatest day yield for saline water with rocks and rock bed materials was 7520 ml/m²/day without thermocol protection, and the most extreme day yield for saline water from stones and rock bed material was 7750 ml/m²/day with thermocol protection and the most extreme yield productivity of sun-powered still is 60%.

Keywords: Solar still, Energy storage materials, Desalination, Solar Energy, Purification



A Study in Economic Analysis of Direction of Agricultural Exports in India

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Abstract: Exports of a country play a vital role in the growth of an economy. The development of this sector is an indicator of the economic strength of a country. It helps raise productivity, generate employment, and support other sectors of the Indian economy. The principal objective of the current review (I) is to examine the patterns in bearing India's horticultural products from 1991-92 to 2016-17. (ii) To concentrate on developing India's Export to Various major agrarian wares. The review exclusively depends on optional information gathered from different distributed wellsprings of Government Agencies, Directorate General of Commercial Intelligence and Statistics (DGCIS), Handbook of Statistics on Indian Economy, Reserve Bank of India (RBI), Government of India. The information was dissected utilizing elucidating insights like tables. Likewise, an endeavour is made to introduce gathered information through line charts and bar graphs. The time of the study (1991-92 to 2016-17).

Keywords: Agricultural exports, the direction of exports, trends.



Impact of Farm Bill Policy Performance and Determined in Agriculture Production on the Indian Economy

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Abstract: This study makes farm bill policy performance and determines its impact on the Indian economy in agriculture production. The data was collected from secondary sources of handbook statistics on the Indian economy, Reserve bank reports, and various journals. This study period was taken from 2008-2009 to 2019-2020. The study used variables and tools are Rice, Wheat, and Total Food Grains, the Percentage Change, and Multiple Linear Regression models for analysis. Rice and wheat food grains mostly increase positively significant in this analysis report. So, the government farm bill is essential in increasing the agricultural production of food grains in India.

Keywords: Farm, Agriculture, Food grains, Bill, Increasing,



An over Review of Literature Survey for Converting Salty Water into Good Drinking Water by Natural Energy Resource using Various Natural Thermal Energy Storage Materials

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Abstract: Good and clean water are necessities for human beings for food, drinking and washing. So many methods are used for converting salty water into good drinking water. The desalination process is one of the most popular salty water purification methods. In this method, good drinking water is produced without salt content from the salty water by natural energy resources using various natural thermal energy storage materials. Natural energy resources are Solar Energy, Wind Energy and Geothermal Energy. The natural materials have thermal energy storage properties such as Glass balls, Pebbles, Gravels, Cotton Cloths, Jute and Rubber mats. The literature survey is focused on the Desalination method for converting salty water into good drinking water by natural energy resources using various natural thermal energy storage materials.

Keywords: Desalination, Solar Energy, Energy storage materials, Natural resources.



Cognitive Radio Networks with Flexible Channel Cooperation in Resource Allocation

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Abstract: The Wireless correspondence networks are a drawn-out that accompanies all kinds of strategies and kinds of associating and human movement between at least two gadgets utilizing a remote transmission through remote correspondence advances and gadgets. Correspondence issues encapsulate impromptu and foundation networks as correspondence properties, conventions, information configurations, and substantial innovations. The essential client (PU) will send the data through the Secondary User (SU). Then, at that point, through how much SU s the information is moved to the base station. The channel is commonly relegated given the two algorithmic principles, the ideal disseminated dealing calculation and concentrated heuristic calculation. Then, at that point, among the current framework, expansion assault is a serious disadvantage. The expansion assault is overwhelmed by executing the Future Peak Detection calculation. This verifies that the Pu will choose to communicate information through that SU. so the expansion tackle issue could likewise survive. Furthermore, the information is crossed to the base station with the entire security.

Keywords: Content and Presence Multicast Protocol, Broadband Wireless Access, inflation attack, Primary Users, secondary users.



An Efficient Method for Segmentation of Cerebrospinal Fluid in Hydrocephalus affected T2 weighted MRI images

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Abstract: The brain is the focal sensory system inundated in cerebrospinal liquid (CSF), which shields it from mechanical pressure and helps support its weight through lightness. Cerebrum hydrocephalus is the condition wherein there is a strange amassing of this cerebrospinal liquid in the ventricles or the pits of the mind. Different calculations have been proposed to resolve this issue. In this paper, an original methodology for the division of CSF from hydrocephalus impacted T2 weighted MRI picture is proposed. The skull stripping strategy embraces a two-venture approach; in the initial step, better deliberate utilization of morphological reproductions tasks is finished the cerebrum picture. In the subsequent advance, a thresholding based method is utilized to disengage the mind inside the skull. Fixing the limit esteem and by carrying out histogram put together thresholding procedure to the skull stripped picture the CSF segment is separated. This strategy is tested and contrasted and the K-Means calculation. The proposed strategy is ended up being more productive than the K-Means division. The volume of sectioned CSF is determined, which empowers the discovery of hydrocephalus.

Keywords: Skull stripping, histogram-based thresholding, K-Means segmentation technique, and T2 weighted MRI brain images.



Inventory Management System in Mobile-Based Point of Sale

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Abstract: Mobile-based point of sale (mPOS) is a developing data framework, and many individuals are keen on utilizing it, particularly in business regions. These days, the most involved process in the eatery is the request cycle, reservation process, and conveying clients' organization. Working out instalment charges that are as yet noted utilizing paper makes the interaction less effective than it ought to have been. A versatile based retail location application will be created. Printing receipts is additionally utilized. Portable based retail location (mPOS) is an easy to use graphical connection point that proposes a Sale and Inventory Management System to the store to supplant old manual ways. The framework's goal is to give capacities in overseeing products in the store all the more productively. To accomplish the goals determined, the extent of the venture will zero in on the perspectives, for example, information base, report creating, quality control (QA) and retail location of the store.

Keywords: Proposing Sale, Inventory Management System, Calculating payment, Inventory Point.

Remote Cardiac Patients Monitoring System Using Internet of Medical Things (IoMT) Devices

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Abstract: People nowadays are dealing with a variety of medical, physiological, and psychological issues. They don't have time to go to the specialist on a regular basis. A circumstance may arise when a patient needs immediate care. To address these problems, we need a system that gathers all data on people's illnesses in a variety of settings, from individual to city. Wireless sensor network (WSN) technology is one of the most important topics of study in computer science and the healthcare industry to improve people's lives. The goal of this study is to provide a broad overview of current research on wearable and implantable body area network systems for continuous patient monitoring, as well as future directions.. In this research, medical sensors (MedSnrs) were utilized to gather physiological data from patients and transmit it to an IPDA. The importance of body sensor networks in medicine is discussed in this article, including how they may lessen the need for caretakers and enable chronically unhealthy and elderly individuals to live more independently while still receiving high-quality care. Despite its many merits, the field of wearable and implanted BAN still has significant challenges and open research issues, which are examined and addressed in this article, as well as some prospective solutions.

Keywords: Internet of Medical Things (IoMT); Patient Surveillance; Cloud Computing; Medical Instruments, Intelligent Personal Digital Assistant (IPDA)



K-functional for Neural Networks and r -th Smoothness Moduli

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Abstract: We introduce a relationship between the r -th modulus of smoothness and the K -functional of J-peetre in this article. K -functional peetre's is a useful tool for describing the smoothness of functions, particularly those defined on and belonging to. For functions defined on and belonging to this article, we will prove an equivalent between it and the r -th order modulus of smoothness.

Keywords: Smoothness, Functional, Modulus, Network.



Design And Implementation A Job Opportunities Recommended System Based on PHP and SQLi Optimization Statements

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Abstract: *In international methods of our study, we learned about many websites that provide opportunities for the unemployed, such as (Dice) (Bayt.com), (Career Builder), and (Indeed). We finally arrived at this site, that is in your hands. Which is the system (Bootstrap\Web design) designed along the lines of the consists site, that is approved by international universities. As this that, from a database for job holders. Such as the database for the system administrator, who supervises and manages all activities within the system. Besides a database for job seekers after logging in to the site assessors specialized in evaluating experiences, and submitting a report on them to the system administrator to accept the person in the job. We discussed the web and the programming languages used to complete this (bootstrap) PHP. We talked about the uses and features of PHP, the system, which is also one of the languages used in our system, and the HTML editor. The texts dedicated ++Notepad as well as CSS formatting language and Adobe Dream Weaver to writing the source code where we used a Wamp Server program used in building websites. Then, we discussed the most important results of using the job search system for the unemployed, comparing the results with the systems used for this purpose, in addition to reviewing the features that characterize the designed system and reviewing the elements of strength, and the plan for developing the system to be integrated. Compared to the global systems used in this regard..*

Keywords: *Website Design, Job Allocation, Recommendation System, SQL.*



Inverse Estimation by Spherical Neural Networks

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Abstract: we discuss an inverse estimation method for approximating functions in L^p . Spherical neural networks are used to compute spaces for $P < 1$.

Keywords: Spherical, Functional, Neural, Network..