

ADAPTIVE HYBRID TRANSMISSION SCHEME FOR MOBILE IPTV

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ABSTRACT:

The Internet Protocol Television (IPTV) service is becoming more and more popular among telecommunications companies because it can deliver TV programs anytime anywhere. In this paper, we propose and analyze AHT algorithm based on unicast and multi-channel multicasting to enhance not only service blocking probability but also reduce overall bandwidth consumption of the wireless system which has very limited resources compared to wired networks. To show the performance of proposed scheme, we compare it against traditional unicast and multicast transmission.

KEYWORDS:

IPTV, Unicast, Multicast, Blocking probability

ATTENDANCE MANAGEMENT SYSTEM USING CONTOUR LET ALGORITHM

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ABSTRACT:

In this paper we find a technique for Face acknowledgment-based understudy participation framework execute by utilizing Mat lab reproduced and Worldwide Framework for Versatile correspondence equipment module. The framework incorporates terminal Face obtaining module and participation module. It can understand consequently such capacities as data procurement of Face, preparing, what's more, transmission, Face coordinating and making a participation report. The distinguished pictures are then upgraded and perceived utilizing face acknowledgment procedure. The perceived pictures are contrasted and the pictures in the preexisting database. Contour let change based calculation has been utilized as they include extraction and Kclosest Neighbouring Calculation (KNN) as the classifier for the characterization a short time later. The proposed new calculation is applied to facial acknowledgment on ORL database; better execution is picked up contrasted and those customary calculations, for example, Head part investigation (PCA) and Direct Discriminant Examination (LDA) and so forth. The outcomes have additionally demonstrated the viability of our proposed calculation. After perceiving the face, the participation has taking, this framework sends the participation of each understudy to their parent's versatile through GSM. Participation framework encourages access to the participation of a specific understudy in a specific class.

KEYWORDS:

KNN-K Nearest Neighbouring Algorithm, DRLTP- Discriminative Robust Local Ternary Pattern DFB- Directional Filter Band PIR-Passive Infra-Red EEPROM-Electrically Erasable Programmable Read Only Memory

HUMAN HAND PROSTHESIS BASED ON THE GENERATION OF EMG SIGNAL

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ABSTRACT:

A microchip based control framework which forms a fixed arrangement of customized directions to control electromechanical hardware which might be a piece of a significantly bigger framework and a method of working, sorting out or performing one or numerous assignments as per a fixed arrangement of rules, program or plan additionally a course of action in which all units gather and work together as indicated by a program or plan with the assistance of this innovation we are going to structure prosthesis of human hand. EMG signal is the chronicle of unconstrained electrical action of the mind over a little time period. Signs are created by assault of neurons inside the minds which are estimated and assessed by EMG. EMG signals are low voltage flags that are tainted by different sorts of clamors that are additionally called as antiques. As these signs are utilized to analyze different sorts of mind related illnesses like narcolepsy, Sleep apnea disorder, Insomnia and parasomnia it gets important to make these signs liberated from commotion for legitimate investigation and location of the maladies. The primary point of the venture is to make a savvy prosthetic arm constrained by the surface EMG signals which would encourage the in an unexpected way abled with arms that they couldn't imagine anything better than to get. To serve diversely abled individual creatures by outfitting innovation is our maxim. Discrete wavelet change offers a viable answer for de-noising non-fixed signals, for example, EMG because of its shrinkage property. In this paper, we investigated the utilization of wavelet de-noising technique to EMG signals procured during various rest stages characterized by the RK rules, with the goal to recognize reasonable thresholding rules and edge esteems.

VIRTUAL INTERFACE COMMAND AND TARGET OBLITERATING ROBOT

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ABSTRACT:

The proposal of this project is to create an robot which is controlled by the soldiers away from the war field through virtual reality technology .To reduce the death rate of our soldiers while fighting against the bane we are predisposed to do an automaton. This robot with a camera is placed in a remote location to capture the environment in visual form using Arduino. The captured visuals are displayed on the user's mobile phone. The Smartphone reads the accelerometer and magnetometer data of the direction in which the user turns his head, say, right or left. This data is sent to the modem over Wi-Fi and to the Arduino board, which, in turn, provides these values as inputs to the servo motors. Two servo motors are used to move the camera—one for the vertical movement and the other for the horizontal movement. By giving inputs to the main frame using joystick controls the camera and sends the video output to the video receiver side which may be monitor, mobile phone, or video viewer screen. Here we use cell phones as viewer screen. An important feature of this robot is that we can also develop the system by incorporating gun mechanism which helps the soldiers to fight away from the war field. The virtual telepresence robot can also be moved in any direction through an app installed in the user's Smartphone. When hardware assembly is done, install all the required apps in your Smartphone as mentioned earlier. Through the Smartphone we can able to see the action lively and also it can be stored.

KEYWORDS:

Arduino, Camera, Smartphone, Wi-Fi.

ELECTRIFICATION OF RAILWAY SYSTEM USING DC GRID BASED ON RENEWABLE ENERGY SOURCES

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ABSTRACT:

This paper proposes a replacement railway electrification system within which the most block is victimization converters. Within the new projected system the design of railway electrification system is finished victimization VSC (Voltage supply Converter) and Cuk device. VSC-based unified theme can considerably facilitate the property among otherwise heterogeneous railway systems, whereas the mixing of distributed generation and storage is achieved in an exceedingly simple fashion. The necessity for a super ordinate system, and its role in coordinative native VSC controllers, in order that the ensuing power flows are optimized whereas the curved shape voltage is unbroken at intervals limits, are mentioned. Cuk device is employed to extend or decrease the voltage. The Cuk device is permit to vary dc output magnitude that's either bigger than or but the input voltage magnitude .The projected railway paradigm is compared with existing MVDC(Medium Voltage DC) design compared with the quality 25-kv,ac electrification system by means that of real case study.

KEYWORDS:

Voltage source converter (VSC), Cuk converter, Medium voltage direct current (MVDC).

**AUTOMATIC BOOKING SYSTEM TO CHARGE ELECTRIC
VEHICLE IN CHARGING STATION**

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ABSTRACT:

The rapid growth of the Electric vehicles leads to the essential prerequisite for a magnanimous number of recharging stations in the short radius. Unfortunately, there is no sufficient number of recharging stations in India, so it results in the vehicle traffic in the station. To improve the existing charging infrastructure, we have come with a solution by establishing the system developed through SQL and PHP platform to allocate the charging slots based on projected battery parameters, which uses data communication with recharging stations to receive the port availability information. The app displays the number of ports which is available and it automatically books the available port but if the port is not available it shows the port which will be available within 30 minutes and wait for the user command to book the port or search for another charging station.

KEYWORDS:

Electric Vehicles, E-Ports, Charging, Automation, Reservation, Automatic Notification.

TEXTILE TECHNOLOGY USING ARTIFICIAL NEURAL NETWORKS

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ABSTRACT:

Textile industry is used for developing and creating several varieties of fabric, textiles and garments from yarn. A neural network is a network or circuit of neurons, or in a modern sense, an artificial neural network, composed of artificial neurons or nodes. In modern textile, fabric defect detection can be quality control in the textile manufacturing industry. In the fabric inspecting up-to-date survey of different defect detection method. Based on the advances in the image processing and pattern recognition. It is to enable an online quality control of the weaving process. Artificial Neural Networks has proved its usefulness for resolving many problems in textiles such as prediction of yarn properties, analysis of fabric defects, process optimization.etc. The power of neural networks lies in their ability to represent complex relationships and learn them directly from the data being modeled. The ability to predict these properties accurately has become a challenge due to highly non-linear and interactive behavior of textile materials. The predictions of properties or performance of a process in advance is required to minimize the setup cost and time.

KEYWORDS:

Fabrics, Neural Network, Detection Method

**THE SCOPE OF VIRTUAL ROBOTIC PROCESS AUTOMATION IN
ONLINE SHOPPING IN INDIA**

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ABSTRACT:

Companies are moving to virtual platform. Organizations in the service Industry now widely in the application of Robotic Process Automation (RPA) to achieve scalability and reliability while cost conscious. RPA helps to manage time and errors and enhance compliance and productivity and enable the shopping a value added activity rather than a tedious tasks which will be most widely accepted technology across the industries. It was found that the facilities to get the RPA shops are not available in India. The advantage of this type is that the shops will get easier facility rather than building and maintaining their own sites. The consumers are benefited since it becomes easier for them to search in RPA to get what they want. The various benefits of RPA include cost reduction, quality ensurance, ensuring that there is no stock out, scalability and revenue enhancement. One of the highlight is that it is available 24X7. This can be applied in online food delivery, shopping and other online services. This paper is a conceptual one which looks into the virtual platform of Robotic Process Automation.

KEYWORDS:

Online, Virtual platform, Robotic Process Automation, stores, India.