E-SAMANVAY APPLICATION

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Abstract

To develop offline/online android based interface using SAMANVAY portal as information source (from Gov. of India) to efficiently access various schemes/Activities conducted under SAGY and to apply for scheme/Activity, feedback /Complaints of scheme/Activity. The generated reports will help Member and Ministry of Parliament to monitor and implementation of SAGY.

The main aim is to convert the pdf based Samanvay portal to digitally accessible application. Now by word 'Digital' we want to make an android application which is lightweight, user-friendly, operate online as well as offline with efficient search techniques to get user-selected schemes with less overhead. Also, the user of this application is primarily considered as person with very less knowledge of mobile computing.

Keywords:- Samanvay portal, SAGY, Digital Portal.

MOOD DETECTOR-ON USING MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE TO IDENTIFY AND NORMALIZE MOOD AND EMOTIONS

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Abstract

Emotion detection technology is currently being developed with the aim of improving the quality of human-computer interaction. Research in this domain emphasizes solving the technical difficulties involved, through the design of ever more complex recognition algorithms. But fundamental questions about the use of such technology remain neglected. Can it really improve human-computer interaction? For which types of application is it suitable? How it is best implemented? These questions are not being addressed because of the current state of the technology: the systems are simply not yet good enough to be implemented in realistic applications. This research will overcome this barrier by simulating the capabilities of future emotion recognition technology using the 'Wizard of Oz' approach, which proved so helpful in the early development of systems using speech recognition technology. The research will explore the use of emotion recognition technology from a user's perspective. It will empirically test assumptions about human behavior which underlie the use of such technology. It will test the impact of emotion recognition on measures of usability and user satisfaction. Such research is vital if emotion recognition technology at the user interface is ever to provide tangible benefits to real users.

Key Words: Mood detection, Mood normalization, Mood, Emotions.

ANDROID APPLICATION CONTROLLED ROBOTIC CAR

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Abstract

Robot is a reprogrammable, multifunctional device which is primarily designed to do work like human such as pick and place, loading and unloading, surveillance, health care, industrial, aerospace application. Robots can perform dangerous and accurate work to increase the productivity as they can work 24 hours without rest. This paper deals with the design and control of automated vehicle type robot which can move in desired direction by detecting obstacles in its path. An android application has developed using MIT App inventor and a Wi-fi communication is made with robot which interfaces with Ardino UNO microcontroller to control its speed and direction.

Aim of this work is to design and control the motion of robot using Wi-fi device of an Android phone.

HYBRID ENCRYPTION FOR DATA SECURITY

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Abstract

This study proposes Hybrid Encryption System using symmetric key algorithm and public key algorithm. A hybrid cryptosystem is one which combines the convenience of a public-key cryptosystem with the efficiency of a symmetric key cryptosystem. Here, we propose a provably two way secured data encryption system, which addresses the concerns of user's privacy, security and accuracy. This system has two different encryption algorithms that are used both in the Encryption and decryption sequence. One is symmetric key cryptography based on block cipher another one is public key cryptography based on public key distribution. This cryptography algorithm provides more security as well as speed compare to other existing hybrid algorithm.

KEYWORDS: Asymmetric Key, Hybrid Encryption, Modular, Symmetric Key.