

Home Automation with Machine Learning for Activity Recognition

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ABSTRACT

Abstract - Activity recognition plays an important role in providing assistance and care for users in smart homes. Multi-sensors can provide assistance to human by collecting the data of human activities. Using multi-sensor data in the research of pattern recognition is an area where rapid technological development is needed. Using deep learning with sensor data help us to analyze the sequence of activities recorded by a specific resident. Here, we are using various deep neural networks (DNN) i.e. Recurrent Neural Network (RNN) and algorithms used for machine learning. Advancement and development of deep learning makes it possible to perform automatic high level feature extraction and thus, it achieves more promising performance in many areas. Since then, deep learning based methods have been widely adopted for the multi-sensor-based human activity recognition tasks.

Keywords –Human activity recognition, Deep learning, machine learning, Smart home, Activity of daily life (ADL).

360 Degree Performance Appraisals of Employees in Banking Sector

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ABSTRACT

A 360-degree execution examination framework is a redistribute evaluation approach that taps the aggregate knowledge of the individuals who work intimately with a worker. The worker and their managers, partners, coordinate reports (subordinates), inner clients, outer clients, and others might be a piece of the assessment procedure. The execution of any economy to a substantial broaden is subject to the execution of the bank. A fruitful execution examination must be accomplished when this assessment of individual worker is done deliberately and the business give some direction to the representatives to enhance their aptitudes. Countless have been utilizing 360-degree input in India as administration improvement intercession. The idea of execution examination is as yet rising and discovering space in both scholarly and specialist circles. The 360 Degree execution examination is most normally used to assess execution dimension of the workers. This strategy is truly solid in light of the fact that the assessment is finished by various individuals working in an association. This examination finds an answer for the issue that emerges. An examination can be made by best administration individuals, predominant, subordinate, companions, and clients. It is a full hover arrangement of getting data from inside and additionally outer wellsprings of an association. This input will concentrate on formative endeavors of an individual and gathering. The fulfillment dimension of representatives and maintenance dimension of workers who experience this input appraisal process is the determinant factor of result.

Keywords- Performance Appraisal, Banking Sectors, 360-degree appraisal, PAS and Retention

Behavioral Biometrics for continuous authentication: A comprehensive Review

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ABSTRACT

In the era of Internet, online security has become the biggest challenge. Various authentication techniques like login-password, One-time password and security through physical cards are used, but all these have some pitfalls. Security through biometric features assures more reliability and privacy. This paper attempts to provide a comprehensive survey with the help of most recent research papers published in many journals, conference proceeding etc. The review is based on feature selection, experimental setup, data acquisition methods and applications. Behavioral biometrics is transparent, user-friendly and less intrusive in nature. In comparison to physiological features these have less uniqueness and permanence. Behavioral biometrics approaches are widely used for continuous authentication in online banking transactions, online examinations, for accessing a secured file and in other real time applications.

Keywords- Behavioral biometrics, Continuous authentication, security, Online platform

Emerging Government Processes with latest Technologies

Online Detailed Project Report (DPR) Management System for Pradhan Mantri Awas Yojana (PMAY)

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ABSTRACT

The purpose of this paper is to understand why we need to migrate manual government processes using technology what are the advantages and at what level can this be beneficial to the stakeholders and common people (beneficiaries), Even technology students can understand how analytical approach studied in software development process could be used practically to achieve a solution for a problem presented.

In this paper we are considering a DPR approval process submitted by implementing agencies under “Pradhan Mantri Awas Yojana (PMAY) – Housing for All (Urban)” which is a mission been implemented from past four years and the mission will provide assistance from central ministry to implementing agencies through States and UTs (Union Territories) for providing houses to all eligible families beneficiaries till 2022.

During this the problem occurred was the State government were not able to track the DPR submitted, proper monitoring could not be done, Hectic Process to analyse all DPR’s which was consuming time for approval process due to which budget sanctioning of the project was delayed and the beneficiaries, stakeholders were adversely affected.

A feasible software solution was developed for the above problem using Software Development Life Cycle (SDLC) with new a technology framework.

Keywords -- DPR, Implementing Agencies, SLAC, SLSMC, CSMC, ULBs, Pucca houses