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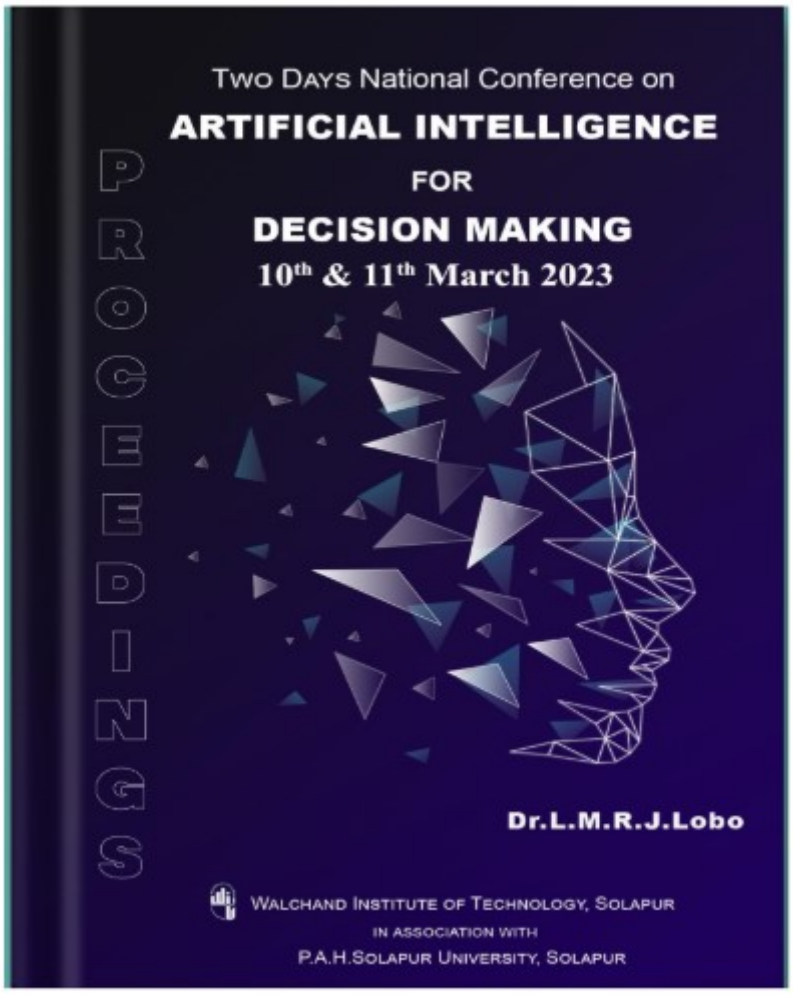
3.3.2 Papers published in national/ international conference proceedings per teacher during last five year

Mrs. Amarja Adgaonkar



INDEX

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Prof. Amarja Adgaonkar

Visual Question Answering for helping visually impaired people

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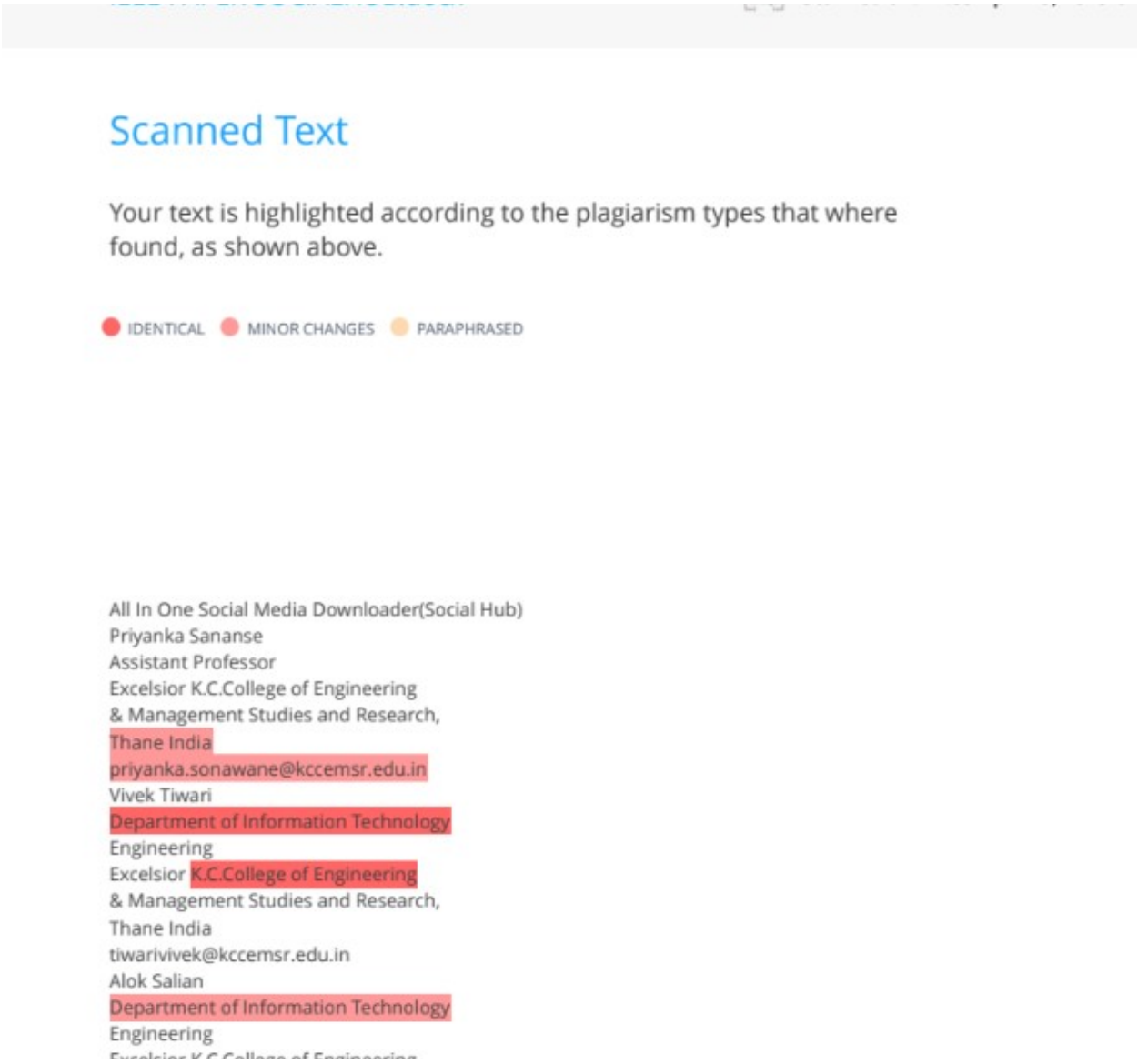

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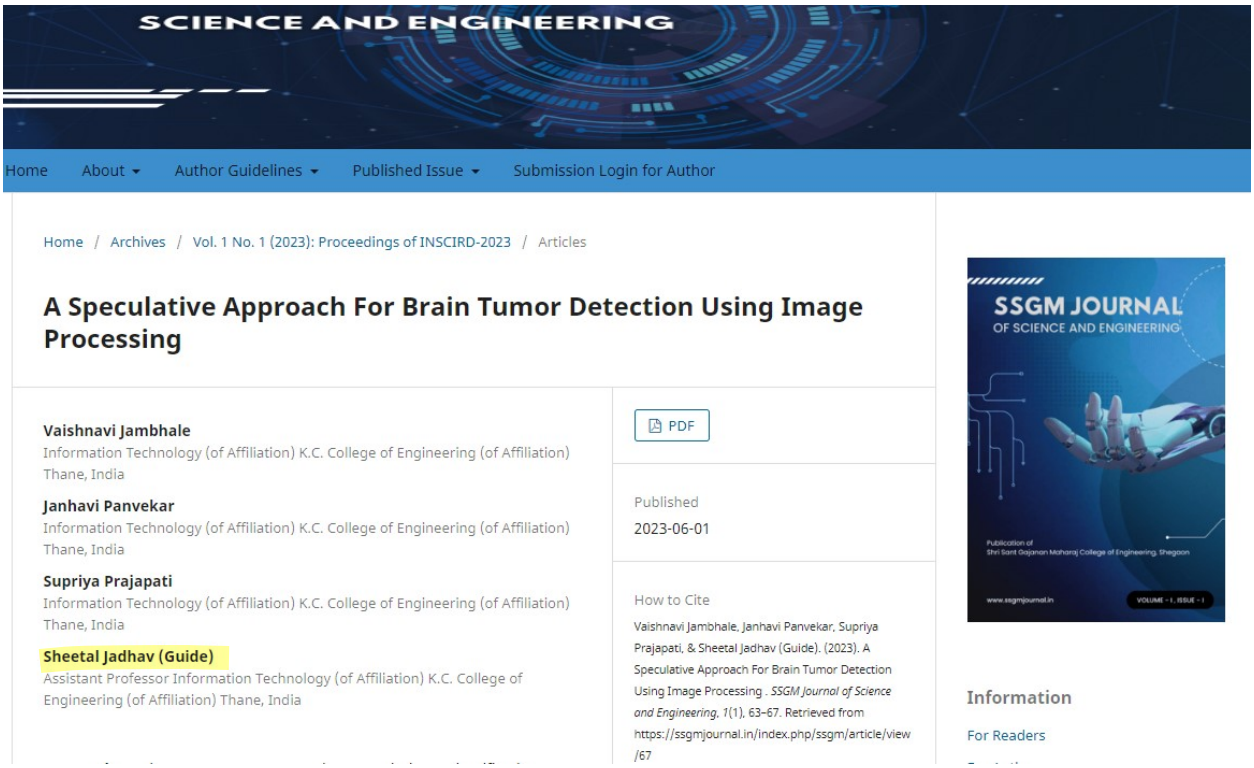

SSGM Journal of Science and Engineering, Vol. 1, Issue 1, June 2023

BHOOMI SEVA – An Application for Farmers

Seema Bhurvane, Homeshwari Thakre, Anupam Kolwadkar, Mitali Mall
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***Abstract*—In this research, we are developing a mobile application that is very useful for farmers who are looking to increase the profitability of their farming. For assisting agriculture with routine activities, a lot of methods and techniques are being developed. Even many contents are available on the internet. Mobile apps in the field of agriculture can be an excellent option to boost farming production in the country. The new inventions in technology in agriculture are not easily getting to the farmers due to a lack of knowledge. They don't know the source from which they can get valuable information. Hence, a number of farmers are failing to gain probable production rates. Therefore, it is necessary to develop a user-friendly system through which essential information is accessible to farmers. In this research, we try to collect all the valuable information that various farmers can use into a single application that explores many new opportunities for farmers with the help of smartphone technologies. Here we propose a farmer-friendly application in multi-language that will assist** safety regulations. This paper deals with the study of existing android-based applications that are helpful for farmers and the design and development of the best apps for agriculture that include various diverse services for farmers. It is important to monitor the crops to support the demand from consumers and prevent any food shortage problems. One of the reasons for low yield is the improper management of pests and diseases. The control activity started late as the disease and infection in the crop were already severe and impossible to control. The control activity for pests and diseases should be done before the symptoms become serious, and frequent monitoring of the crop is mandatory. The application must follow the safety requirements for humans and the environment.

The proposed project will focus on agricultural information providing mobile app development for Indian farmers. We are going to develop a multi-language app using

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Published In JETIR (www.jetir.org) ISSN UGC Approved (Journal No: 63975) & 7.95 Impact Factor

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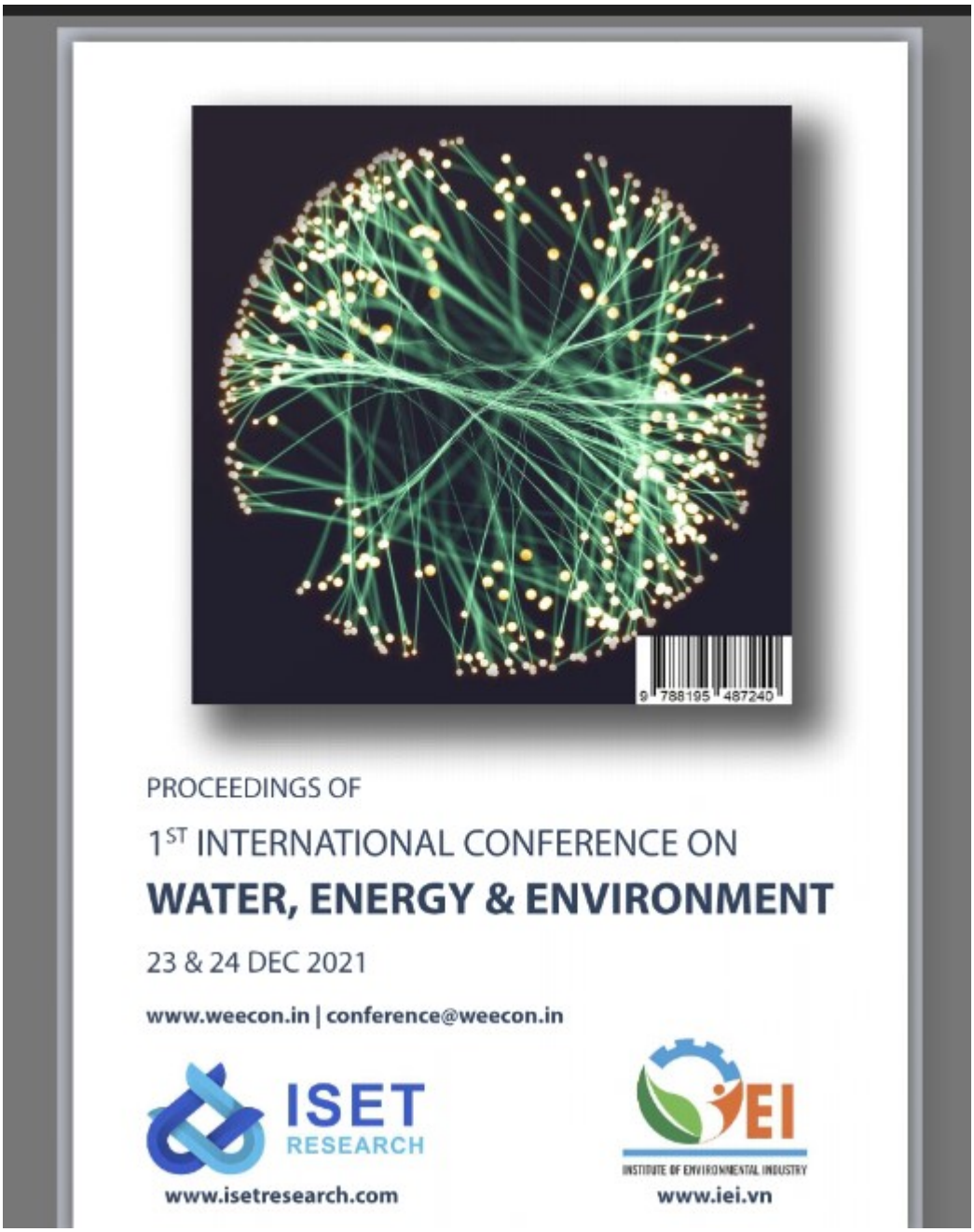

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OF PARTICIPATION

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Sushma Kore

participated & presented a paper on

IoT Based Logistic Management System

at the

International Conference on Trends in Engineering, Applied Sciences and Management (IC-TEAM 2022) on 08th & 09th April, 2022 organized by St. John College of Engineering and Management, Palghar, Maharashtra, India.

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A Review on Reddit News Headlines with NLTK tool

Proceedings of the International Conference on Innovative Computing & Communication (ICICC) 2021

5 Pages • Posted: 27 Apr 2021

Bharti Khemani

A P Shah Institute of Technology, Thane

Amarja Adgaonkar

K.C.College of Engineering and Management Studies and Research

Date Written: April 26, 2021

Abstract

Nowadays, Sentiment analysis is mostly utilized in the sector of Machine learning and Natural language processing (NLP). This idea is extremely common within the field of Data Science. Reddit is a news channel in which all users discuss their views on this social media platform. Many user comments on the contents posted. From this social news platform, its analysis, news reports, user feedback, social media updates, etc. Responses are analyzed and picked up by this social media platform. In this paper, Reddit API is such a social platform in which every day thousands of headlines or post received from many users some news is positively given some news are negatively given on all scenarios. from these posts or news headlines, we fun with different Sentiment Analysis using PRAW. PRAW is a Reddit API wrapper. Also in this paper NLTK tool is used

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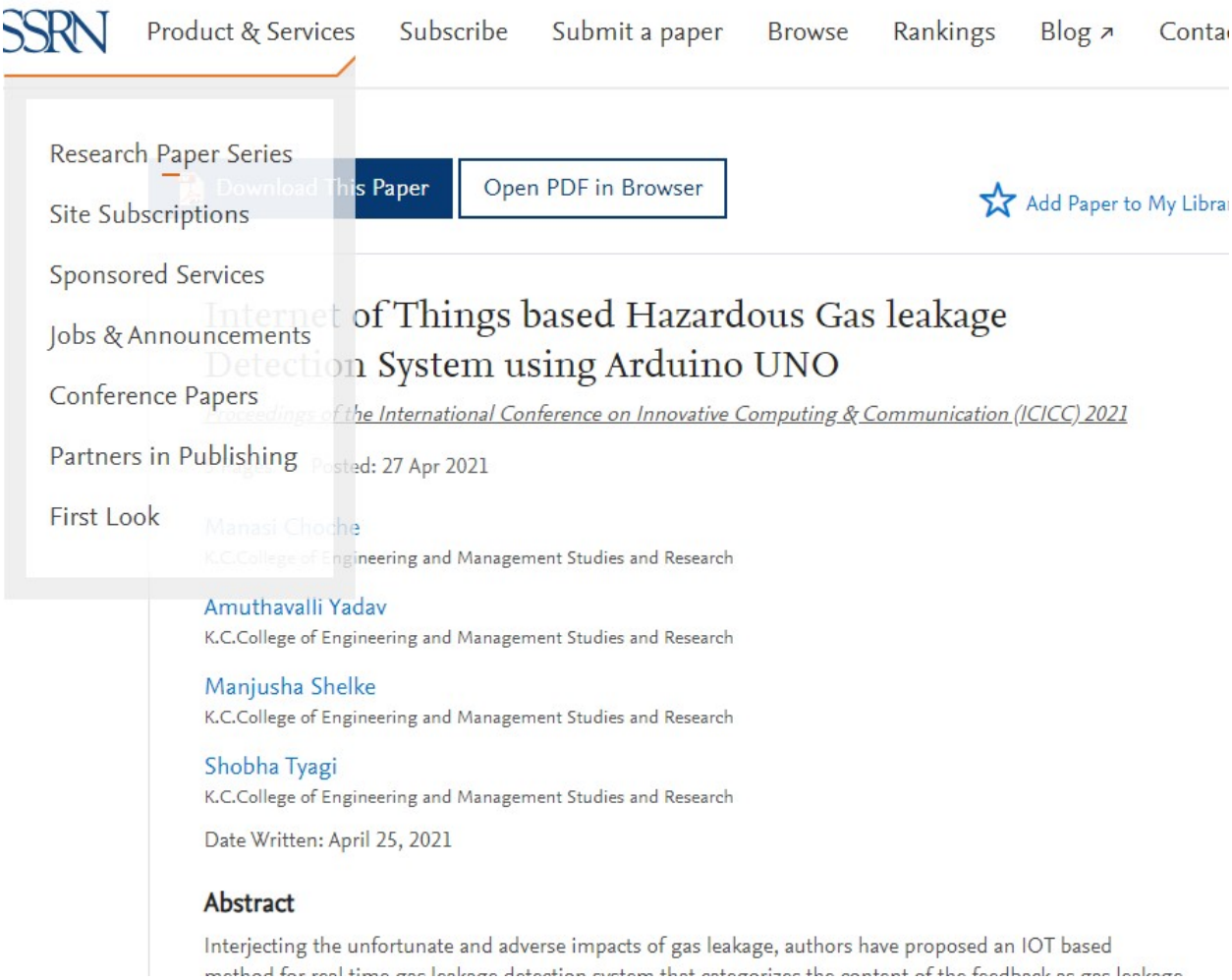

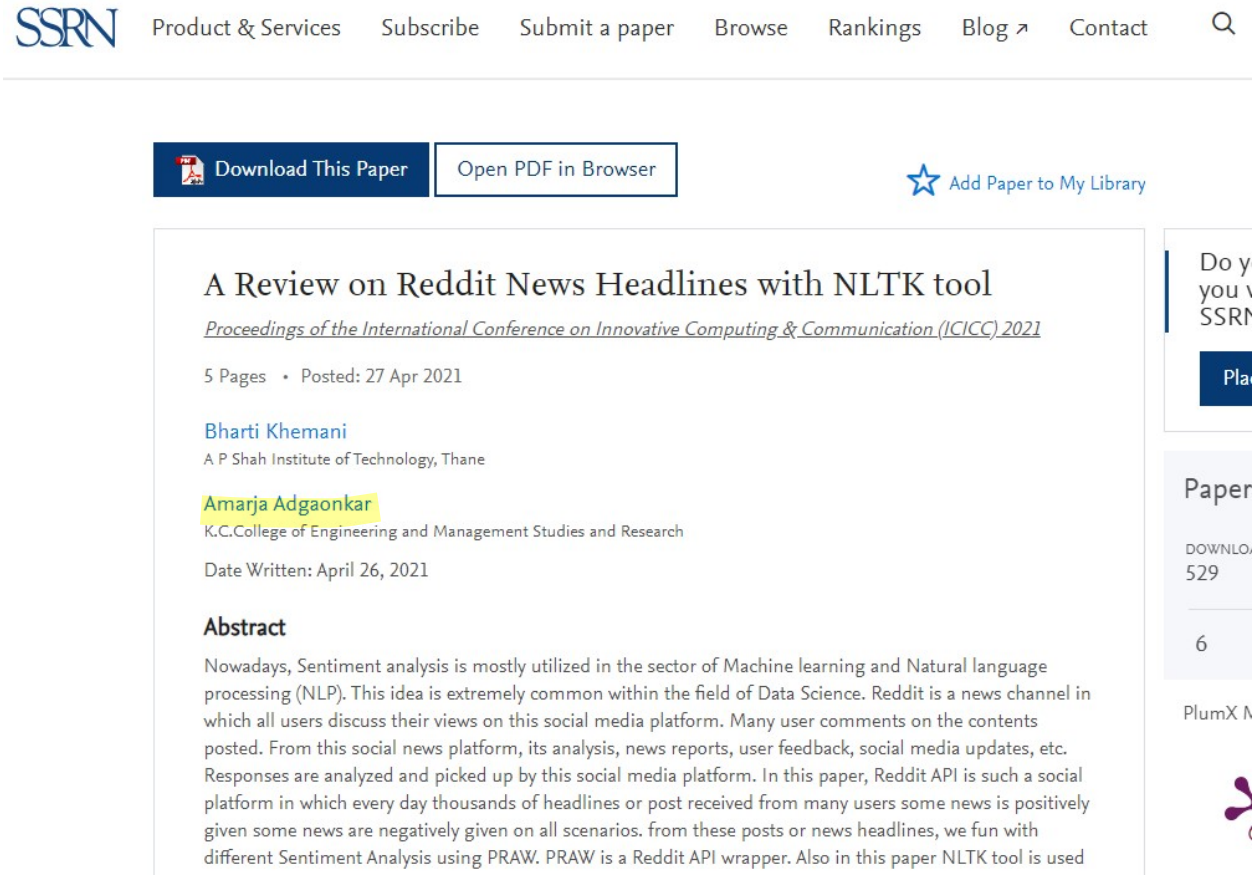

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Internet of Things based Hazardous Gas leakage Detection System using Arduino UNO

Proceedings of the International Conference on Innovative Computing & Communication (ICICC) 2021

5 Pages • Posted: 27 Apr 2021

Manasi Choche
K.C.College of Engineering and Management Studies and Research

Amuthavalli Yadav
K.C.College of Engineering and Management Studies and Research

Manjusha Shelke
K.C.College of Engineering and Management Studies and Research

Shobha Tyagi
K.C.College of Engineering and Management Studies and Research

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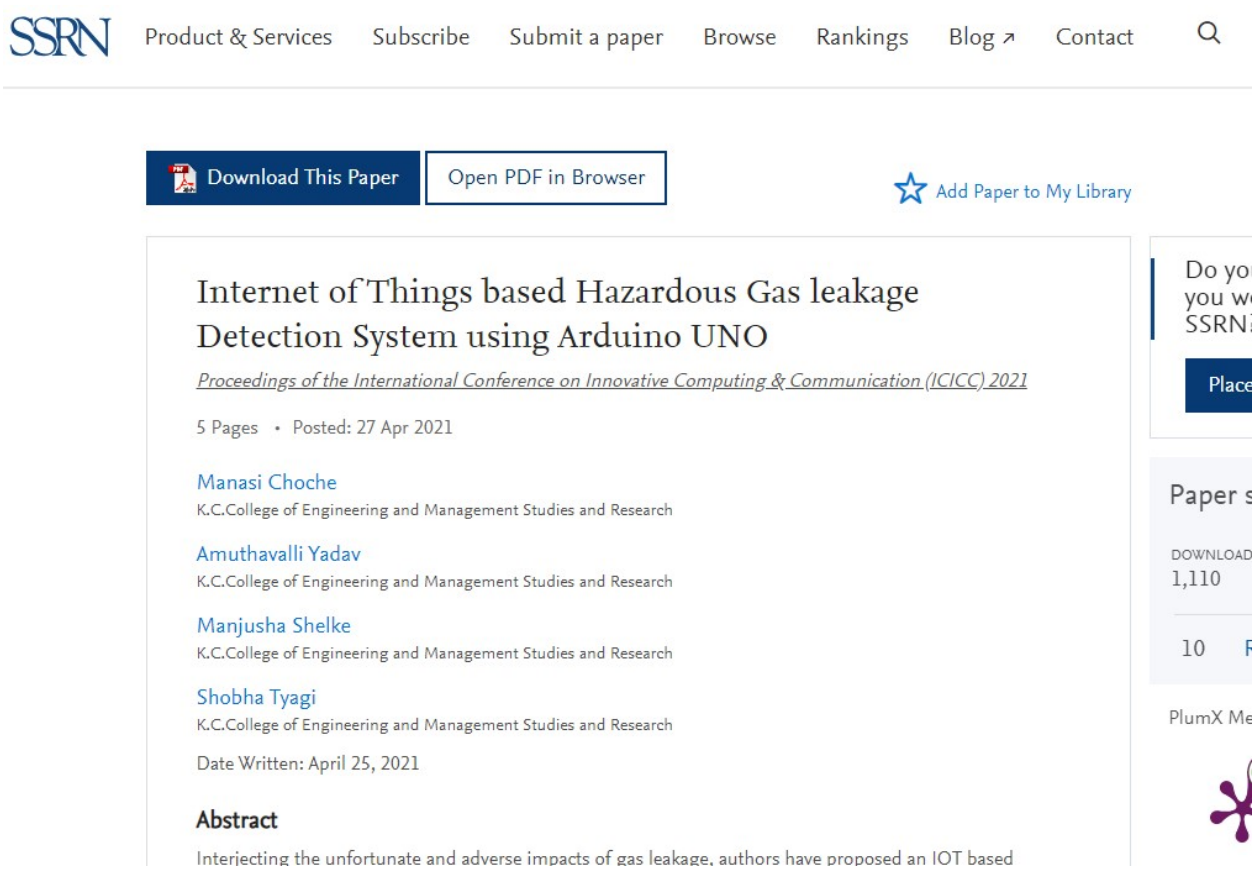

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Internet of Things based Hazardous Gas leakage Detection System using Arduino UNO

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Manjusha Shelke
K.C.College of Engineering and Management Studies and Research

Shobha Tyagi
K.C.College of Engineering and Management Studies and Research

Date Written: April 25, 2021

Abstract

Interjecting the unfortunate and adverse impacts of gas leakage, authors have proposed an IOT based

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General Chair ICETET-SIP-19
& Director, GHRCE

International Journal of Innovative Technology and Exploring Engineering (IJITEE)
ISSN: 2278-3075, Volume-9 Issue-6, April 2020

Pansharpening of Multispectral and Panchromatic Images for Color Distortion using MATLAB

Pankaj H. Chandankhede, Pragati M. Fatinge

Abstract: ***This paper deals with new pan sharpening techniques/methods for multispectral pan sharpening. These techniques are functional to number of datasets and their usefulness, strength and health are (figured out the worth, amount, or quality of) with widely used performance indicators. Also, all the ways of doing things of pan sharpening thought about/believed in this paper were put into use in a MATLAB with toolbox. GUI was designed using regression method which reduces color distortion.***

Keywords: ***PAN-Panchromatic image; MS-Multispectral image; Pansharpening, Intensity Hue Saturation IHS-fusion, vibrational fusion***

I. INTRODUCTION

Pan-sharpening techniques permit to synthetize images starting from panchromatic and multispectral data. The first type of images has a higher ability to display or measure very small things (related to space or existing in space) but a lesser radio metric (ability to demonstration or measure very small things) than the next. Radiometric information, multispectral or multicolor data is present in merged images and the pixel sizes of the data generally panchromatic. In remote recognizing, pansharpening techniques allows to assimilate the geometric feature of PAN image along with radiometric feature of MS having lower resolution (related to space or existing in space).Numerous applications which makes use of pansharpening methods for satellite or aerial images were conducted. Pan sharpening targets at joining of PAN images with MS images. In recent years, many authors come up with numbers of processes (algorithms) and papers on pansharpening with multispectral data. These fusion methods due to its growing accessibility are now being adapted with hyper spectral images.

In this paper, new pansharpening ways of doing things for

II. MULTISPECTRAL IMAGE

A multispectral Images as shown in fig. 1.1(e.g. Color) are image data taken in clearly stated/particular wavelength collections across the spectrum of electromagnetic. Digital filters & instruments sensitive to wavelength such as electromagnetic with Infrared IR, gamma & ultraviolet. It was at firstly established for aeriel-space-based imaging and also has application in article and painting study for further understandings.

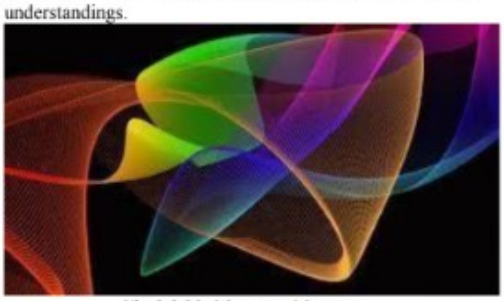

Fig 1.1 Multispectral Image

III. PANCHROMATIC IMAGES

Panchromatic images are made while the imaging sensor is (grouchy/needing careful handling) to a large change/differ of wavelengths of light, generally spanning a huge section of the spectrum. All imaging sensors need a positive minimum amount of not extreme/medium-level energy before they should come throughout a honor/difference in brightness. (as shown in fig. 1.2)

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International Journal of Engineering Research & Technology (IJERT)
ISSN: 2278-0181
IETE – 2020 Conference Proceedings

IoT Based Bridge Health Smart Monitoring System

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***Abstract*—Now a days, various types of disaster is happening mostly in all over the world. This is because of change in natural conditions. These types of disasters will destroy the many structure like bridges and this will damage the life. Hence to continuously verify and monitor the conditions on bridge we make the system called bridge monitoring system. Bridge monitoring system will help to know the current conditions on bridge like wind speed, temperature, weight etc. and inform us. According to the readings of different sensors we can compare it with fixed values and we will get alert before any disaster.**

Keywords —Bridge health, Crack detection, water level, Arduino Nano, Vibration detector etc.

I. INTRODUCTION

The mishap happened on The Colonial-era Bridge on the Mumbai-Goa Highway caved in around Tuesday midnight

II. LITERATURE SURVEY

According to paper "Wireless Sensor Network Based Crack Detection on Concrete Bridges/Buildings "The method of Detection and Recognition of Bridges' Cracks Based on Deep Belief Network adopts Raspberry Pi to collect and pre-process images, to transmit images data by the GPRS / 3G or wired networks. And it uses high-level servers to make analysis of image. According to the characteristics of bridges cracks" images, this method selects and improves the best processing algorithm, as well as detects and recognizes the true bridges cracks

So, these bridges require continuous monitoring. So, we are proposing a system which has weight sensor, water level contact sensor, Wi-Fi module, and Arduino micro-controller. This system detects the load of vehicles, water level, and pressure. If the water level, pressure and load of vehicle on

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Analysis of semiconductor materials based on Average electron energy & drift velocity

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[2](Department of Electronics & Telecommunication Engineering
K.C.College Of Engineering & Management Studies & Research Thane ,India)

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K.C.College Of Engineering & Management Studies & Research Thane ,India)

ABSTRACT

The drift velocity for a semiconductor plays an important role in finding the efficiency & electron energy. The ***drift velocity*** *is the average* ***velocity*** *of the charge carriers in the* ***drift*** *current.It is observed that mobility of electrons is higher compared to that of holes owing to effective mass of carriers.We have analyzed the valuesof average electron energy for different semiconductor materials such as Si, Ge&GaAS by using Monte Carlolab simulations.We have observed average electron energy & drift velocity is higher in compound semiconductor materials. It is also observed that GaAS is used mostly for enhancing solar cell efficiency due to various reasons like Low Temperature Coefficient, Good Low Light Performance etc. In this paper the analysis of three main semiconductor materials are done based on average electron energy & drift velocity.*

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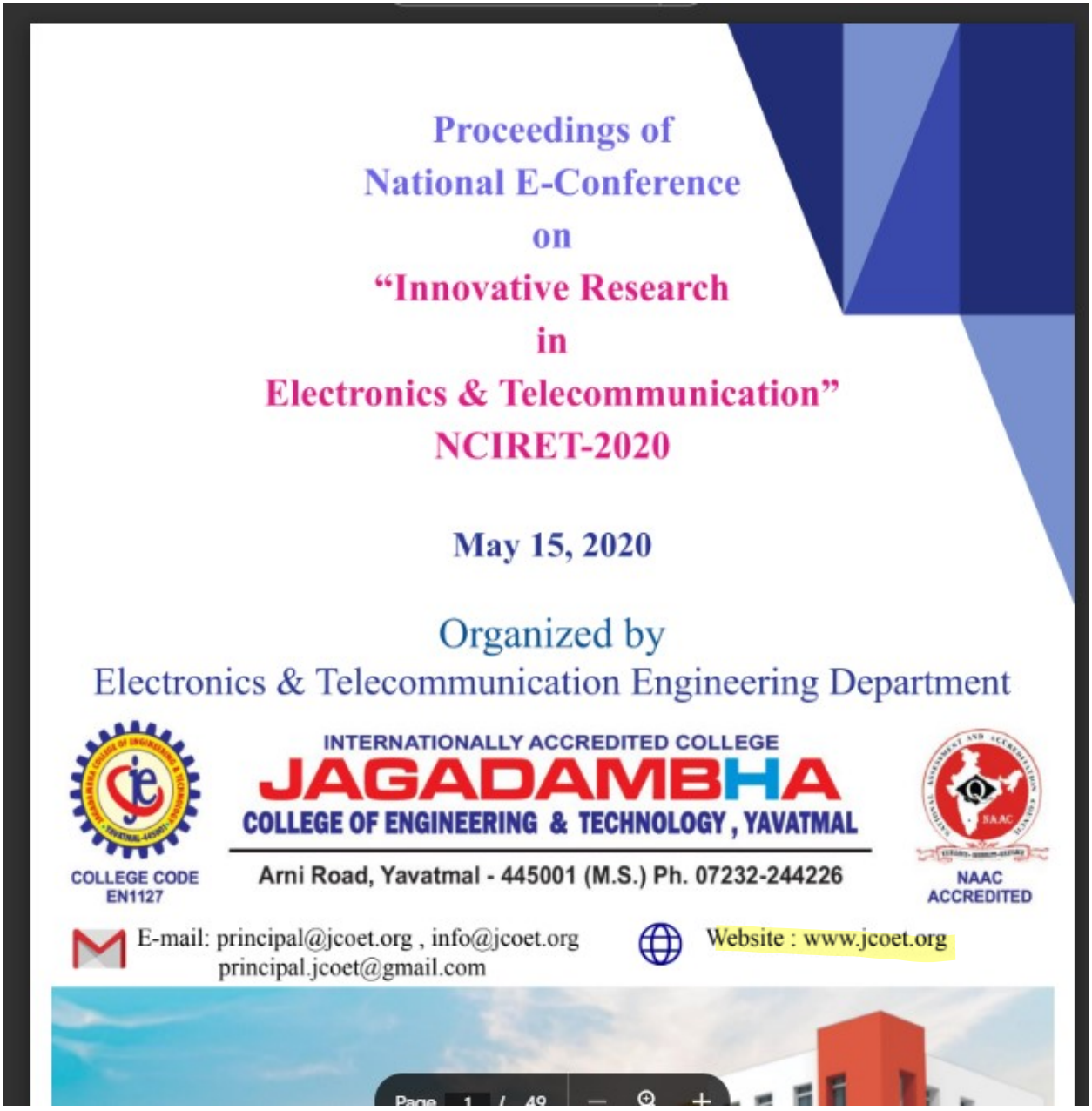

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