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Tamil Nadu, INDIA. E-mail : Info@jec.ac.in Website : www.jec.ac.in



Certificate

This is to certify that the faculty members of Jaya Engineering College has presented and published their book chapters, books, papers in various National and International Conference, the proceedings are attached herewith for the last five years.

ACEDAMIC YEAR	NO.OF BOOKS CHAPTERS/ BOOKS/ /PAPER PUBLISHED
2020-2021	10
2019-2020	23
2018-2019	6
2017-2018	6
2016-2017	2
Total	47

Evidences Enclosed:

1. Cover Page of published books.
2. Certificates and Proceedings of the Conference.


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This book is intended to be a stepping stone for novice robotics students who are making their way into this future robotics world. Tons of effort have been put in by the team to develop this material to present more practical-based knowledge. Several exercises, tasks, and worksheets were also added with an intention to unleash the creative thinking of the budding engineers. All these examples were provided with real life scenarios which will provide a clear idea about industrial requirements.



FOR AUTHOR USE ONLY



Mr.C.S.Sundar Ganesh currently working as an Assistant Professor in the Department of Electrical and Electronics Engineering at Karpagam College of Engineering Coimbatore. He finished B.E EEE in Government college of Engineering, Tirunelveli and M.E in PSG TECH Coimbatore. He published more than 40 International Journals and 3 book chapters.

Sundar Ganesh C S
RAMMOHAN T
Eswaravel Ekambaram

Fundamentals of Lego Robotics

Robotics





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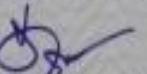
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CONTROL USING FPGA in the INTERNATIONAL CONFERENCE
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This is to certify that Dr. / Mr. / Ms. ALANGARAN, S., Asst. prof., Tatyasaheb Engineering College participated / presented in two days international Conference on Data Analytics and Business Intelligence organised by department of Computer Science and Engineering & Information Technology held on 16th and 17th July 2018 in Technical Association With OAKLAND UNIVERSITY, USA.

Paper Title : ON DEMAND SECURITY MODEL & LEAST SERVER IN CLOUD COMPUTING

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Image processing based wound assessment system for patients with diabetes using six classification algorithms

Publisher: IEEE

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C Varun Kumar, V Malathy, All Authors

1	Applied Mathematics	Alma Mater	U College,
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Abstract

Abstract:

Document Sections

I. Introduction

II. Detail Experimental

III. Results and Discussion

IV. Conclusion

Authors

Figures

References

Citations

Keywords

Metrics

Diabetes is a type of disease and is much more dangerous. Normal cells in our body divide in orderly and balanced fashion. Diabetes occurs when certain cells begin to grow out of control. Diabetes cells can also spread to other parts of the body through the blood, nerves or lymph system, in a process called metastasis. Diabetes of the cell in the outer most layer of skin called the epidermis. The epidermis has three layers an upper and middle layer made up of squamous cells, and a bottom layer made up of melanocytes and basal cells. Besides lung diabetes, diabetes is one of the most preventable types. This is due to the fact that the major risk factor is ultraviolet (UV) radiation. The amount of UV exposure depends on the Strength of the light, how long the skin was exposed, and whether the skin was covered with clothing or sunscreen. The disease can be cured, when it is diagnosed in its early stage. The early diagnosis is difficult using conventional dermatological methods. Non-invasive diagnosis melanoma is possible by image processing technique. Accurate segmentation of skin wounds using dermoscopy images is a challenging task. This thesis proposes an efficient image segmentation algorithm using radial search technique to extract true border of dermoscopy skin images containing wounds. The segmentation algorithm is based on thresholding and finds edges in the image using radial search. The radial search method is a semiautomatic methods and needs manual initialization of search origin. Asymmetry, border, and color are the feature extracted from segmented image. The result shows that this method can be further developed as an assistive tool for detection and classification of diabetes wound using dermoscopy images.

Published in: 2016 International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT)

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Study on resource management system for interference mitigation in femtocell networks

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1 Paper

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Abstract:

Cellular phones play an important part in modern day life. At present it's very uncommon to see a person without using mobile phones. Due to increasing mobile users across globe, rising trend of multifloor and intricate designed apartments in inner-city area, poor coverage found as a key issue. To surmount this femtocell allows service providers to extend service coverage

Document Sections

1. Introduction
 2. Details Experimental
 3. Result and Discussion
 - » Conclusion
- Authors
- U Sorna Meenachi, B K Santhosh
- IEEE Xplore
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- Abstract:
- Cellular phones play an important part in modern day life. At present it's very uncommon to see a person without using mobile phones. Due to increasing mobile users across globe, rising trend of multifloor and intricate designed apartments in inner-city area, poor coverage found as a key issue. To surmount this femtocell allows service providers to extend service coverage inside of home - especially where access would otherwise be limited or unavailable. It also decreases backhaul costs since it routes cellular phone traffic through the IP network. A femtocell is a miniature cellular primary station intended for use in inhabited or small industry environments. A femtocell is sometimes referred to as a residential base station, way point base station, 3G way point, miniature cellular primary station and private 2G-3G base station. WiMAX, STD IEEE 802.16 and Long Term Evolution (LTE) femtocells provide a variety of high data rate service to the end users. LTE femtocell is being considered as the future equipment at the indoor environment[2]. Interfering alleviation between neighbouring femtocells and between the femtocell and macrocell is taken as one of the major challenges in femtocell networks because femtocells allocate the same accredited frequency spectrum with macrocell. This report provides a analysis on the different state-of-the-art methodology for noiseless and resource management in Orthogonal Frequency-Division Multiple Access (OFDMA) based femtocell networks.

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**7th INTERNATIONAL CONFERENCE
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17	ICCE125	UTILIZATION OF WASTE SEA SHELLS AS A PARTIAL REPLACEMENT FOR COARSE AGGREGATE AND FINE AGGREGATE IN CONCRETE <i>S.Soundharya & A.SSarani</i>	CE-13
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19	ICCE123	REMOVAL OF DYE USING CUO NANO POWDER:- APPLICATION OF INDUSTRIAL WASTE WATER MANAGEMENT <i>C. Karthika, M.Sakthi Bagavathy & G.Annadurai</i>	CE-14
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