



3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the academic year 2021-22.

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Calendar Year of publication	ISBN number of the proceeding	Name of the publisher
1	Vasudeva	--	Chronological Poor and Rich Tunicate Swarm Algorithm integrated Deep Maxout Network for human action and abnormality detection	2021 Fourth International Conference on Electrical, Computer and Communication Technologies (ICECCT)	2021 Fourth International Conference on Electrical, Computer and Communication Technologies (ICECCT)	International	November 2021	ISBN: 978-1-6654-4751-5	IEEE
2	R Chetan	--	Providing knee movement assistance using android and IOT	2021 2nd International Conference on Smart Electronics and Communication (ICOSEC)	2021 2nd International Conference on Smart Electronics and Communication (ICOSEC)	International	November 2021	ISBN:978-1-6654-3369-3	IEEE
3	Deepthi G. Pai	Recent Advances in Artificial Intelligence and Data Engineering	Application to aid hearing and speech impaired people		International Conference on Artificial Intelligence and Data Engineering (AIDE 2020)	International	November 2021	ISBN: 978-981-16-3341-6	Springer
4	Guruprasad	--	A Tutorial on Design of Datapath and Controller of an ALU using Verilog and Verification using Open Source EDA Tools	2021 2nd International Conference on Communication, Computing and Industry 4.0 (C2I4)	C2I4-2021	International	January 2022	ISBN:978-1-6654-2014-3	IEEE
5	Manjānath S	--	Investigation on the	Materials Today:	International	International	March 2022	ISSN: 2214-7853	Elsevier

Arzoo

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574115

SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust®, Udupi)

Accredited by NBA | Accredited by NAAC with 'A' grade | Affiliated to VTU, Belagavi

Approved by AICTE, New Delhi & Recognized by Govt. of Karnataka

Vishwothama Nagar, Bantakal - 574115, Udupi District, Karnataka.



SMVITM

			Performance of an IDI Engine using a Novel Dual Swirl Combustor	Proceedings	Conference on Smart and Sustainable Developments in Materials, Manufacturing and Energy Engineering				
6	Pavana Kumara, Udaya Prasanna Handadi	Sustainable Machining Strategies for Better Performance	Influence of Burnishing Process on Tensile Strength of A17075-T6 Alloy		National Conference on Sustainable Machining Strategies for Better Performance (SMSBP 2020)	International	August 2021	ISBN: 978-981-16-2277-9	Springer
7	Ranjith Bhat	--	'You Only Look Once' Application for Autonomous Driving Vehicles & Cricket Spidercams using Convolutional Neural Network in Deep Learning	2022 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS)	International Conference on Sustainable Computing and Data Communication Systems (ICSCDS-2022)	International	April 2022	ISBN: 978-1-6654-7885-4	IEEE
8	Sachin S Bhat	--	Design of a transliteration application for Kannada signboards	2022 IEEE Delhi Section Conference (DELCON)	IEEE DELCON	International	April 2022	ISBN: 978-1-6654-5884-9	IEEE
9	Savitha Shenoy	--	Innovative Game Based Educational Application for Learning	2021 12th International Conference on Computing Communication and Networking Technologies (ICCCNT)	2021 12th International Conference on Computing Communication and Networking Technologies	International	Nov-2021	ISBN: 978-1-7281-8596-5	IEEE

[Signature]
Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115

SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust®, Udupi)

Accredited by NBA | Accredited by NAAC with 'A' grade | Affiliated to VTU, Belagavi

Approved by AICTE, New Delhi & Recognized by Govt. of Karnataka

Vishwothama Nagar, Bantakal - 574115, Udupi District, Karnataka.



SMVITM

					ies (ICCCNT)				
10	Savitha A Shenoy	--	Designing and Analysis of a Competitive Game based Learning Application	2021 IEEE India Council International Subsections Conference (INDISCON)	2021 IEEE India Council International Subsections Conference (INDISCON)	International	Nov-2021	ISBN:978- 1-6654- 3834-6	IEEE
11	Yogesh wary B H	--	Node localization techniques in underwater sensor networks	2022 IEEE International Conference on Sustainable Computing and Data Communication Systems (ICSCDS)	2022 IEEE International Conference on Sustainable Computing and Data Communication Systems (ICSCDS)	International	April 2022	ISBN: 978- 1-6654- 7885-4	IEEE
12	Sharath Kumar, Nagaraj Bhat	--	An efficient algorithm for predicting crop using historical data and pattern matching technique	Global Transitions Proceedings	International Conference on Computing System and its Applications (ICCSA- 2021)	International	Nov-2021	ISSN: 2666- 285X	KeAi Communications Co. Ltd. Publishing services by Elsevier B.V. on behalf of KeAi Communications Co. Ltd.
13	Deepthi G. Pai	Cyber Intelligence and Information Retrieval	Analysis of the Beaufort Cipher Expansion Technique and Its Usage in Providing Data Security in Cloud		International Conference on Cyber Intelligence and Information Retrieval (CIIR 2021)	International	September 2021	ISBN: 978- 981-16- 4283-8	Springer
14	Sowmya S	--	Crop yield forecasting using data mining	Global Transitions Proceedings	International Conference on Computing System	International	November 2021	ISSN: 2666- 285X	KeAi Communications Co. Ltd. Publishing services by

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574115

SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust®, Udupi)

Accredited by NBA | Accredited by NAAC with 'A' grade | Affiliated to VTU, Belagavi

Approved by AICTE, New Delhi & Recognized by Govt. of Karnataka

Vishwothama Nagar, Bantakal - 574115, Udupi District, Karnataka.



SMVITM

					and its Applications (ICCSA-2021)				Elsevier B.V. on behalf of KeAi Communications Co. Ltd.
15	Rukmini Bhat	--	AGRIC: A quality farming	Global Transitions Proceedings	International Conference on Computing System and its Applications (ICCSA-2021)	International	November 2021	ISSN: 2666-285X	KeAi Communications Co. Ltd. Publishing services by Elsevier B.V. on behalf of KeAi Communications Co. Ltd.
16	Gajanan Anne	--	Microstructural and mechanical characterisation of Al-Zn-Mg-Cu alloy processed by multi-directional cryo-forging	Materials Today: Proceedings	International Conference on Advances in Materials Science, Communication and Microelectronics.	International	August, 2021	ISSN: 2214-7853	Elsevier
17	Sachin S Bhat	--	Grammatical tagging for the Kannada text documents using hybrid bidirectional long-short term memory model	IEEE DISCOVER	2021 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (DISCOVER)	International	January 2022	ISBN: 978-1-6654-2952-8	IEEE
18	Sachin Bhat	--	Classification of Plant Leaves of Western Ghats using Deep Learning	IEEE DISCOVER	2021 IEEE International Conference on Distributed Computing	International	January 2022	ISBN: 978-1-6654-2952-8	IEEE

Principal
 SHRI MADHWA VADIRAJA
 INSTITUTE OF TECHNOLOGY & MANAGEMENT
 Vishwothama Nagar, Udupi Dist.
 BANTAKAL - 574 115

SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust*, Udupi)

Accredited by NBA | Accredited by NAAC with 'A' grade | Affiliated to VTU, Belagavi

Approved by AICTE, New Delhi & Recognized by Govt. of Karnataka

Vishwothama Nagar, Bantakal - 574115, Udupi District, Karnataka.



SMVITM

					g, VLSI, Electrical Circuits and Robotics (DISCOVER)				
19	Sneha N. S.	Emerging Research in Computing, Information, Communication and Applications	Design of a Secure Blockchain Based Privacy Preserving Electronic Voting System		ERCICA: International Conference on Emerging Research in Computing, Information, Communication and Applications	International	Nov-2021	ISBN: 978-981-16-1337-1	Springer
20	Madhusudhana, Udaya Prasanna, Raja Yateesh Yadav	---	Erosion wear behavior of glass fiber hybridized flax and sisal fabric hybrid composites with taguchi experimental design	Materials Today: Proceedings	Technology Innovation in Mechanical Engineering-2021.	International	Oct-2021	ISSN: 2214-7853	Elsevier
21	Avinash N.J., Rama Moorthy H, Chetan R, Sowmya Bhat	---	Android app and RFID based smart ration distribution system	2021 IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC)	2021 IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC)	International	January 2022	ISBN:978-1-6654-4607-5	IEEE
22	Deepthi G Pai	---	Traffic violation detection in India using genetic algorithm	Global Transitions Proceedings	International Conference on Computing System and its Applications	International	Nov-2021	ISSN: 2666-285X	KeAi Communications Co. Ltd. Publishing services by Elsevier B.V. on behalf of

[Signature]

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574115

SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust®, Udupi)

Accredited by NBA | Accredited by NAAC with 'A' grade | Affiliated to VTU, Belagavi

Approved by AICTE, New Delhi & Recognized by Govt. of Karnataka

Vishwothama Nagar, Bantakal - 574115, Udupi District, Karnataka.



SMVITM

					(ICCSA-2021)				KeAi Communications Co. Ltd.
23	Ramyashree	---	Pest control management system using organic pesticides	Global Transitions Proceedings	International Conference on Computing System and its Applications (ICCSA-2021)	International	Nov-2021	ISSN: 2666-285X	KeAi Communications Co. Ltd. Publishing services by Elsevier B.V. on behalf of KeAi Communications Co. Ltd.
24	Ramyashree	---	Facial recognition using Haar cascade and LBP classifiers	Global Transitions Proceedings	International Conference on Computing System and its Applications (ICCSA-2021)	International	Nov-2021	ISSN: 2666-285X	KeAi Communications Co. Ltd. Publishing services by Elsevier B.V. on behalf of KeAi Communications Co. Ltd.
25	Sowmya S, Sahana Karanth, Sharath Kumar	---	Protection of data using image watermarking technique	Global Transitions Proceedings	International Conference on Computing System and its Applications (ICCSA-2021)	International	November 2021	ISSN: 2666-285X	KeAi Communications Co. Ltd. Publishing services by Elsevier B.V. on behalf of KeAi Communications Co. Ltd.
26	Sowmya N.H.	---	Agroxpert - Farmer assistant	Global Transitions Proceedings	International Conference on Computing System and its Applications (ICCSA-2021)	International	November 2021	ISSN: 2666-285X	KeAi Communications Co. Ltd. Publishing services by Elsevier B.V. on behalf of KeAi Communications Co. Ltd.

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574115

SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust®, Udupi)

Accredited by NBA | Accredited by NAAC with 'A' grade | Affiliated to VTU, Belagavi

Approved by AICTE, New Delhi & Recognized by Govt. of Karnataka

Vishwothama Nagar, Bantakal - 574115, Udupi District, Karnataka.



SMVITM

									Ltd.
27	Sneha NS	---	Identification of aromatic coconuts using image processing and machine learning techniques	Global Transitions Proceedings	International Conference on Computing System and its Applications (ICCSA-2021)	International	November 2021	ISSN: 2666-285X	KeAi Communications Co. Ltd. Publishing services by Elsevier B.V. on behalf of KeAi Communications Co. Ltd.
28	Sahana, Sowmya	Cyber Intelligence and Information Retrieval	Comparative Analysis of Brain Tumor Segmentation with Fuzzy C-Means Using Multicore CPU and CUDA on GPU	Global Transitions Proceedings	International Conference on Cyber Intelligence and Information Retrieval (CIIR 2021)	International	September 2021	ISBN : 978-981-16-4283-8	Springer
29	Sachin S. Bhat, Nagaraj Bhat	Recent Advances in Artificial Intelligence and Data Engineering	Building Dataset and Deep Learning-Based Inception Model for the Character Classification of Tigalari Script		International Conference on Artificial Intelligence and Data Engineering (AIDE 2020)	International	November 2021	ISBN: 978-981-16-3341-6	Springer
30	Balachandra Achar HV		Enhancing the performance of wireless sensor network by integrating with optical fiber communication	ICAECT 2022	ICAECT 2022	International	2022		
31	Sowmya Bhat		Design of low power full adder with minimum number of transistors for application	ICGCP-2021	ICGCP-2021	International	2021		

Total count as per the SOP of the metric given by NAAC i.e. paper per teacher = 31 + 11 = 42

[Signature]

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115

High Performance Electronic Voting Machine (EVM) Implementation Using ARM Cortex M3

Publisher: IEEE

Cite This

 PDFN.J. Avinash ; R. Chethan ; Sowmya Bhat ; Renita Pinto [All Authors](#)

1

Cites in
Paper

240

Full
Text ViewsNeed
Full-access
for you

CONTACT US

More Like This

A Software Engineering Approach to Security Studies in Operating Systems

2021 IEEE 3rd International Conference on Computer Science and Information Informatization

Published: 2021

Application of an Automated Approach to Requirements Engineering in the Security of Systems in the Cloud

2021 International Conference on Electrotechnical Systems (ICOE)

Published: 2021

Abstract

Document Sections

- I. Introduction
- II. Methodology
- III. Hardware and Software Details
- IV. Result
- V. Conclusion

Authors

Figures

References

Abstract:

The main building stone in a democratic country are fair elections. In India, the main objective of introducing Electronic voting machine was to reduce mishaps and frauds especially in states which are politically sensitive and are subjected to frequent re-polls due to electoral rigging and imbalance in voting system. The EVM machine currently used by our government requires updated Microcontroller like ARM Cortex M3 which has advanced features like Memory protection, Accurate Time stamping using Ultra Low power RTC, cost sensitive, efficient interrupt controller (NVIC), a RTOS timer (the SysTick). These features make the software on ARM Cortex M3 much more efficient. In this paper using ARM Cortex M3, this research work has replicated features currently available in the EVM and also included some features like RESET and final vote count display as password protected. Designed EVM system will allow a person to cast his/her vote only once, the casted vote being recorded by the ballot unit which is controlled by control unit. In the process of vote, the person casting the vote would be able to watch glowing LED near the candidate party symbol. By this candidate can conclude themselves that vote has been recorded. The process followed by enabling the ballot on control unit by the PRO.

Published in: 2020 Fourth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)

Date of Conference: 07-09 October 2020

DOI: 10.1109/I-SMAC49090.2020.9243321

Principal
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT

All



ADVANCED SEARCH

Conferences > 2021 2nd International Confer...

Providing Knee Movement Assistance using Android and IOT

Publisher: IEEE

Cite This

PDF

R Chetan ; N J Avinash ; K Aditya ; M Gowri ; K R Pranav ; Namana All Authors

3

Cites in
Papers

81

Full
Text Views



Supplement your
engineering
curriculum with
new eBooks
from IEEE

LEARN MORE >

Abstract

Document Sections

I. INTRODUCTION

II. DESIGN OVERVIEW

» DETAILS OF
COMPONENTS:

III. METHODOLOGY

IV. RESULT

Show Full Outline

Authors

Figures

References

Abstract:

Aging in living beings is a natural process and with aging one encounters challenges with walking or standing for long hours. Obsolete solutions like walking sticks do not provide satisfactory and effective solutions permanently neither can they be integrated with smart features to help in physical ailments. This paper aims to provide a knee brace made up of aluminium along with the device built using lead screw mechanism attached to the legs for the movement of the legs. This is made possible using 12V High Torque DC Geared Motor with 30 RPM and 21 Kg /Cm Rated torque. Lead Screw Mechanism uses the power generated by the motor to facilitate movement. Arduino Uno with the microchip ATmega328P controls the motor. The Bluetooth module (HC-05) helps in connecting the microcontroller to the Walk-Easy mobile app created. The Walk-Easy app allows the user to sit or stand using either buttons provided or through voice command. The Mobile App is integrated for user convenience, through which the movement is assisted as desired by the user. The main goal here is to realise a device to overcome these problems and provide effective solution to the knee related problem

Published in: 2021 2nd International Conference on Smart Electronics and Communication (ICOSEC)

Date of Conference: 07-09 October 2021

DOI: 10.1109/ICOSEC51865.2021.9591942

Date Added to IEEE Xplore: 12 November 2021

Publisher: IEEE

More Like This

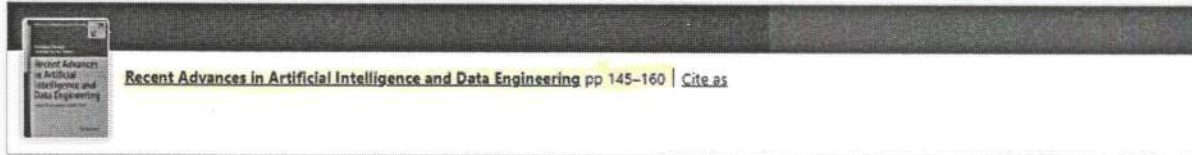
Real-Time Locomotion Mode
Recognition and Assistive Torque
Control for Unilateral Knee
Exoskeleton on Different Terrains
IEEE/ASME Transactions on
Mechatronics
Published: 2020

Modeling and Stiffness-Based
Continuous Torque Control of
Lightweight Quasi-Direct-Drive
Knee Exoskeletons for Versatile
Walking Assistance
IEEE Transactions on Robotics
Published: 2022

Show More

Feedback

Anoop
Principal
SHRI MADHWA VADIRA JA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udipi Dist.
BANTAKAL - 574 115



Recent Advances in Artificial Intelligence and Data Engineering pp 145–160 | Cite as

Home > Recent Advances in Artificial Intelligence and Data Engineering > Conference paper

Application to Aid Hearing and Speech Impaired People

Akshatha Patkar, Steve Martin, Anupriya, Rakshith & Deepthi G. Pai

Conference paper | First Online: 01 November 2021

302 Accesses | 1 Citations

Part of the *Advances in Intelligent Systems and Computing* book series (AISC, volume 1386)

Abstract

One of the most priceless gifts to a natural being is the capability of vision, hear, express and react correspondingly to the situations. Interaction between deaf-dumb and ordinary beings is an inspiring mission. The hearing-impaired and the mute society depends mainly on the hand gestures known as the sign language for communication. The sign language identification is one of the revolutions for serving the specially-abled society. The exploration of identifying sign gestures is successful but involves an exclusive charge to be commercialized. For the sign language identification system to be used widely, the data acquisition process varies largely depending on the cost of the system, the methods used, limitations, etc. The course of learning, recognizing the signs and interacting via the ISL can be simplified by the proposed system that converts speech to the sequence of sign language symbols. Speech processing embraces speech recognition, the learning of identifying the vocabularies being vocalized, irrespective of who the orator is. The proposed system practices template-based detection as the key tactic where the Voice to Sign (V2S) system initially requires to be skilled with a dialogue plan based on the predefined database of signs. It correspondingly translates speech

Access via your institution →

- Chapter EUR 29.95
Price includes VAT (India)
- Available as PDF
- Read on any device
- Instant download
- Own it forever

Buy Chapter

> eBook	EUR 245.03
> Softcover Book	EUR 299.99
> Hardcover Book	EUR 299.99

Tax calculation will be finalised at checkout

Purchases are for personal use only
[Learn about institutional subscriptions](#)

Sections References

Abstract

References

Author information

Editor information

Aniscope
Principal

SHRI MADHWA YADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115

All



ADVANCED SEARCH

Conferences > 2021 2nd International Confer...

A Tutorial on Design of Datapath and Controller of an ALU using Verilog and Verification using Open Source EDA Tools

Publisher: IEEE

Cite This

PDF

Guru Prasad All Authors

360

Full

Text Views



Abstract

Document Sections

- I. Introduction
- II. Design of ALU
- III. Verilog Implementation
- IV. Simulation Results
- V. Conclusion

Authors

Figures

References

Abstract:

In this paper, the method of designing datapath and controller of an ALU using verilog hardware description language is illustrated with help of an example. Initially, the architecture of ALU at functional blocks level is laid out, so that datapath can be designed based on that. Later, the algorithmic flow chart and synchronous sequential state diagram for controller is drawn. A verilog code for the ALU which consists of above two sub-modules is written. Open source tool called iverilog is utilized for simulating the verilog code. It dumps the result on a file from which timing diagram of various signals can be plotted. Another open source software called Gtkwave is used for this purpose. So, in this paper, starting from systematic design of ALU, coding in verilog to simulation and verification using free tools is explained.

Published in: 2021 2nd International Conference on Communication, Computing and Industry 4.0 (C2I4)

Date of Conference: 16-17 December 2021

DOI: 10.1109/C2I454156.2021.9689339

Date Added to IEEE Xplore: 28 January 2022

Publisher: IEEE

ISBN Information:

Conference Location: Bangalore, India

More Like This

- Recursive Space-Time Trellis Codes Using Differential Encoding
IEEE Transactions on Information Theory
Published: 2009
- Hardware co-processors for Real-Time and High-Quality H.264/AVC video coding
2006 14th European Signal Processing Conference
Published: 2006

Show More

Feedback

G. Prasad
Principal
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udipi Dist.
BANTAKAL - 574 115



Access through your institution

Purchase PDF

Article preview

Abstract

Introduction

Section snippets

References (23)

Cited by (4)

materialstoday:
PROCEEDINGS

Volume 52, Part 3, 2022, Pages 1361-1367

Investigation on the performance of an IDI engine using a novel dual swirl combustor

Manjunath S.^a, Ramakrishna N. Hegde^b ^a Shri Madhwa Vadiraja Institute of Technology and Management, bantakal 574115, India^b Srinivas Institute of Technology, Mangaluru 574143, India

Available online 22 November 2021, Version of Record 14 March 2022.

What do these dates mean?

Show less ^

+ Add to Mendeley Share Cite

<https://doi.org/10.1016/j.matpr.2021.11.090>

Get rights and content

Abstract

Indirect injection of Diesel fuel using swirl chambers is an interesting research option ever since the concept was coined by the researchers across the globe. In this typical concept, fuel is sprayed into the swirl chamber incorporated in the cylinder head of engine for primary combustion for the obvious benefit of getting lower NO_x emissions

Part of special issue

International Conference on Smart and Sustainable Developments in Materials, Manufacturing and Energy Engineering

Edited by Shashikantha Karinka, Prasad KDV Yarlagodda, Rashmi Shetty, Veeresho K, Nithin Kumar

Other articles from this issue

Numerical analysis of 3D printed Inconel 718 superalloy for mechanical properties...

2022

J.T. Winowlin Jappes, ..., P.S. Harshan

CED productivity improvement through conveyor jig density optimization

2022

Dinesh Babu C, ..., Uthayakumar M

Design and simulation of skate scooter made of composite material

2022

J.T. Winowlin Jappes, ..., R. Saravanakumar

View more articles

Recommended articles

FEEDBACK

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar Udipi Dist.
BANTAKAL - 574 115



Sustainable Machining Strategies for Better Performance pp 133–141 | [Cite as](#)

Home > [Sustainable Machining Strategies for Better Performance](#) > Conference paper

Influence of Burnishing Process on Tensile Strength of Al7075-T6 Alloy

[Pavana Kumara](#) & [Udaya Prasanna Handadi](#)

Conference paper | [First Online: 03 August 2021](#)

268 Accesses

Part of the [Lecture Notes in Mechanical Engineering](#) book series (LNME)

Abstract

Burnishing is a finishing process that works on cold working principles and is performed on machined surfaces to smoothen the surface irregularities. The process results in improved surface finish, microhardness, resistance to wear and corrosion, fatigue life, and creep life. In the current work, the effect of ball burnishing process on the ultimate tensile strength (UTS) of Al7075-T6 alloy is analyzed using Taguchi method. The effect of four control factors, namely burnishing speed, burnishing feed, burnishing depth, and number of passes on the tensile strength, is studied by adopting L9 array; process parameters are optimized to fix the achievable maximum tensile strength for the said alloy. The results show that the burnishing process increased the tensile strength by 7% over the unburnished specimen.

Keywords

[Cold working](#) [Finishing process](#) [Ball burnishing](#) [Al7075-T6 alloy](#)

Access via your institution →

Chapter EUR 29.95
Price includes VAT (India)

- Available as PDF
- Read on any device
- Instant download
- Own it forever

Buy Chapter

> eBook EUR 117.69
> Softcover Book EUR 149.99

Tax calculation will be finalised at checkout

Purchases are for personal use only

[Learn about institutional subscriptions](#)

Sections

References

[Abstract](#)

[References](#)

[Author information](#)

[Editor information](#)

Prabha
Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar Udipi Dist.

All



ADVANCED SEARCH

Conferences > 2022 International Conference..

'You Only Look Once' Application for Autonomous Driving Vehicles & Cricket Spidercams using Convolutional Neural Network in Deep Learning

Publisher: IEEE

Cite This

PDF

Ranjith Bhat ; Raghu N. All Authors

166

Full

Text Views



The IEEE Open Journal of Engineering in Medicine and Biology has received its first Journal Impact Factor™

Now accepted for indexing by Clarivate

Learn More

Abstract

Document Sections

- I. Introduction
- II. Literature Review
- III. Proposed Methodology
- IV. Other Applications
- V. Results

Show Full Outline ▾

Authors

Figures

References

Abstract:

Road safety is a prime concern in this era of high speed and automated driving vehicles. Lot of lives are lost or injured every day due to road accidents. Just understanding where the roads are is not adequate for an autonomous vehicle, obstacles like other vehicles and even less impact-resistant pedestrians and cyclists should be identified and avoided. Moreover, a technology proposed should also be capable to augment itself to provide other applications in the related fields. The proposed method here recognizes and report to the system about the objects such as cars, pedestrians, animals, etc. Once the object is identified, the next time vehicle approaches the similar object, it notifies the driver. And it also tells the system whether the object is moving towards or away from our vehicle. Augmenting this algorithm in applications like that of self-driven vehicle or automobiles/devices using Artificial Intelligence for the blind can be made for better safety. The system developed will be subjected to trials in the real life and correlated with an experimental setup.

Published in: 2022 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS)

Date of Conference: 07-09 April 2022

DOI: 10.1109/ICSCDS53736.2022.9760926

Date Added to IEEE Xplore: 27 April 2022

Publisher: IEEE

More Like This

A Novel Approach of Object Detection using Deep Learning for Animal Safety

2022 12th International Conference on Cloud Computing, Data Science & Engineering (Confluence)

Published: 2022

Implementing an Alarm Based Driver Drowsiness Detection System for Traffic Safety Using Neural Network

2023 IEEE Renewable Energy and Sustainable E-Mobility Conference (RESEM)

Published: 2023

Show More

Feedback

Rajesh
 Principal
 SHRI MADHWA VADIRAJA
 INSTITUTE OF TECHNOLOGY & MANAGEMENT
 Vishwothama Nagar, Udipi Dist.
 BANTAKAL - 574 115

All



ADVANCED SEARCH

Conferences > 2022 IEEE Delhi Section Confe...

Design of a Transliteration Application for Kannada Signboards

Publisher: IEEE

Cite This

PDF

Sachin S Bhat; Sriraksha K; Shamitha Shanbhogue; Chaitra B R; Namrata Rao; Alaka Ananth All Authors

1
Cites in
Paper

26
Full
Text Views



Supplement your
engineering
curriculum with
new eBooks
from IEEE

LEARN MORE >

Abstract

Document Sections

- I. Introduction
- II. Literature Review
- III. Methodology
- IV. Results and Discussion
- V. Conclusion

Authors

Figures

References

Citations

Abstract:

A common problem faced by any non-native people and travelers from other states visiting Karnataka is the inability to read the Kannada text in public places like street boards, bus names and signboards. So, the transliteration from Kannada to English is essential in such cases. Transliteration is the process which will convert the script of one language to other language without altering the meaning. This paper focuses on different approaches to solve the problems of reading Kannada text using machine learning techniques. We have used Tesseract android software development kit(SDK) for Optical character Recognition. LIBINDIC Soundex Algorithm is used for the transliteration purpose. Main aim of the paper is to build an app to capture the image, process it and also to have its transliterated output.

Published In: 2022 IEEE Delhi Section Conference (DELCON)

Date of Conference: 11-13 February 2022

Date Added to IEEE Xplore: 20 April 2022

ISBN Information:

I. Introduction

DOI: 10.1109/DELCON54057.2022.9752689

Publisher: IEEE

Conference Location: New Delhi, India

More Like This

A Novel Machine Learning Algorithm for Prostate Cancer Image Segmentation using mpMRI

2023 International Conference on Sustainable Computing and Smart Systems (ICSCSS)
Published: 2023

AI-SMLA: An Artificial Intelligence based Smart Machine Learning Algorithm for Complex Image Segmentation Issues in Vertex Image Processing

2022 3rd International Conference on Electronics and Sustainable Communication Systems (ICESC)
Published: 2022

Feedback

Principal
Principal
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar Udupi Dist.
BANTAKAL - 574 115

Innovative Game Based Educational Application for Learning

Publisher: IEEE

Cite This

PDF

Yahya M H I Asadi ; C Gagan Babu ; Poojary Shubham ; Savitha A Shenov All Authors

131

Full

Text Views



Supplement your engineering curriculum with **new eBooks** from IEEE

[LEARN MORE >](#)

Abstract

Document Sections

- I. Introduction
- II. Literature Review
- III. Methodology
- IV. Game Design
- VI. Results

Show Full Outline ▾

Authors

Figures

References

..

Abstract:

Video games, a multi-billion dollar industry is one of the most rapidly-growing industries in the world. With game-based learning becoming a growing trend among teachers and children to make play and learn go hand in hand. Researchers have demonstrated that games have the potential to create a learning environment for better achievement of educational and training goals. In this paper we study a game we have developed a game that teaches even a layman the basics of science, commerce, arts or any other respective field and life lessons. The main objective of our application is to make learning fun and competitive even for a layman. This application not only makes learning fun but also keeps the user engaged with learning by competing with friends in multiplayer mode. Multiplayer games have good market in gaming industry. Current educational games don't have consistent user base, the plan is to create a multiplayer mode which will keep the users engaged with the game on every day basis to learn new things about the respective fields they are interested in.

Published in: 2021 12th International Conference on Computing Communication and Networking Technologies (ICCCNT)

Date of Conference: 06-08 July 2021

DOI: 10.1109/ICCCNT51525.2021.9579868

Date Added to IEEE Xplore: 03 November 2021

Publisher: IEEE

► ISBN Information:

Conference Location: Kharagpur, India

More Like This

State of the art of serious games for business and industry
2011 17th International Conference on Concurrent Enterprising
Published: 2011

Cross-Industry Innovation: The Transfer of a Service-Based Business Model from the Video Game Industry to the Music Industry
2011 International Conference on Emerging Intelligent Data and Web Technologies
Published: 2011

Show More

Feedback

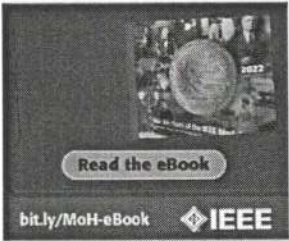
Princpal
Principal
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udipi Dist.
BANTAKAL - 574 115

Designing and Analysis of a Competitive Game based Learning Application

Publisher: IEEE [Cite This](#) [PDF](#)

Yahya M H I Asadi; C Gagan Babu; Poojary Shubham; Savitha A Shenoy [All Authors](#)

1 Cites in Paper 162 Full Text Views



Abstract

Document Sections

- I. Introduction
- II. Literature Review
- III. Methodology
- IV. Game Design
- V. Implementation and Working

[Show Full Outline](#)

Authors

Figures

References

Abstract:

The paper describes Laymania, a free Game-based-learning application that embodies learning with fun with an objective to teach it's users the basics of Maths, Science, Languages and General Knowledge in a competitive manner. It's designed for children of age 4 to 12 year old to get them competing with their friends in a learning game. The video games industry is a rapidly growing industry with multi-billion dollar market. Game-based-learning is becoming mainstream with Teachers adapting E-learning techniques in classrooms and using traditional games to educate students more effectively. There has been extensive research that demonstrates the potential of video games in creating a learning environment where children can achieve their educational and training goals more effectively. In this paper we study the effective implementation of multiplayer competitiveness in educational games that are built on the idea of endless run games. Multiplayer games have a huge presence in the video game industry and users are easily attracted towards games that can be played with friends and peers. Current educational games don't have a consistent user base, the plan is to create a multiplayer mode which will keep the users engaged with the game on every day basis to learn new things about the respective fields they are interested in.

Published in: 2021 IEEE India Council International Subsections Conference (INDISCON)

Date of Conference: 27-29 August 2021 **DOI:** 10.1109/INDISCON53343.2021.9582239

Date Added to IEEE Xplore: 03 November 2021 **Publisher:** IEEE

More Like This

An application of game based learning in an electronics industry graduate training program
2017 International Conference on Engineering, Technology and Innovation (ICE/ITMC)
Published: 2017

Cooperation union in training industry: A game-theoretic approach
2011 International Conference on Information Management, Innovation Management and Industrial Engineering
Published: 2011

[Show More](#)

Feedback

Principal
Principal
SHRI MADHWIA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar Udipi Dist.
BANTAKAL - 574 115

Node Localization Techniques in Underwater Sensor Networks

Publisher: IEEE

Cite This

PDF

B. H. Yogeshwary; K. S. Shivaprakasha; N. Yashwanth **All Authors**

2 Cites in Papers
134 Full Text Views



The IEEE Open Access Journal of Power and Energy has received its first Journal Impact Factor™

Now accepted for Indexing by Clarivate

Learn More

Abstract

Abstract:

The localization of non-localized sensor nodes is considered as a vital task in underwater communication, as it functions as the basic building block for several other capabilities, including tracking underwater nodes, coordinating the movements of an array of nodes and locating the underwater targets. Moreover, the localization also plays a key role in optimizing the medium access and routing protocols that facilitates the successful execution of Georouting, which in turn helps to get useful location-aware data. However, the localization is not an easy task as it faces several challenges, such as displacement of sensor nodes by water currents, multipath interference, high propagation delay, and fluctuations in the amplitude, etc. Another major challenge is the accurate determination of sensor node's 3D position coordinates in actual water environment. In this paper an attempt has been made in studying various approaches of existing localization and deployment techniques.

Published In: 2022 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS)

Date of Conference: 07-09 April 2022

DOI: 10.1109/ICSCDS53736.2022.9760936

Date Added to IEEE Xplore: 27 April 2022

Publisher: IEEE

ISBN Information:

Conference Location: Erode, India

Document Sections

- I. Introduction
 - II. Underwater Acoustic Sensor Networks (UASNS)
 - III. Localization Algorithms for UASN Applications
 - IV. Conclusion
-
- Authors
 - Figures
 - References
 - Citations

More Like This

Prediction-based protocol for mobile target tracking in wireless sensor networks
Journal of Systems Engineering and Electronics
Published: 2011

Target tracking in wireless sensor networks by data fusion with video-based object detection
2013 10th Workshop on Positioning, Navigation and Communication (WPNC)
Published: 2013

Show More

Feedback

Principat
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udipi Dist.
RANTAKAL 574446

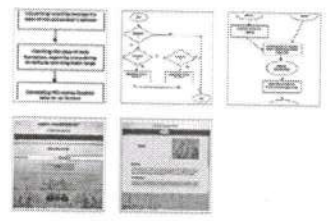


Download full issue

Outline

- Abstract
- Keywords
- 1. Introduction
- 2. Related works
- 3. Methodology
- 4. Result and discussion
- 5. Conclusion
- References
- Show full outline

Figures (5)



Tables (2)

- Table 1
- Table 2



Global Transitions Proceedings

Volume 2, Issue 2, November 2021, Pages 294-298



An efficient algorithm for predicting crop using historical data and pattern matching technique

Anjana, Aishwarya Kedlava K, Aysha Sana, B Apoorva Bhat, Shorath Kumar, Nagaraj Bhat

Show more

+ Add to Mendeley Share Cite

<https://doi.org/10.1016/j.gitp.2021.08.060>

Get rights and content

Under a Creative Commons license

open access

Abstract

As agriculture seems to be a crucial part in food security as well as economic development of a country, selecting crops for cultivation is a most important aspect in an agricultural planning. It relies on variety of parameters which includes weather condition, soil property and government policies. The suggested system helps the farmers to select suitable crop based on season and region of sowing. It will in-turn help the farmers by improving the net profit to them. By considering different datasets with respect to five parameters such as rainfall, temperature, slope, humidity and soil moisture of horticulture data, the system builds a model or method using which can

Part of special issue

International Conference on Computing System and its Applications (ICCSA- 2021): International Conference on Computing System and its Applications (ICCSA- 2021)
 Edited by Parameshachari B.D



Download full issue

Other articles from this issue

Site reliability engineering for IOS mobile application in small-medium scale...

November 2021
 N Kavyashree, ..., Dr. Lokesh M R

View PDF

Detection of solitary ocean internal waves from SAR images by using U-Net and KDV...

November 2021
 S. Vasavi, ..., A. Shashikant Sarma

View PDF

An efficient hardware-based human body communication transceiver architecture f...

November 2021
 B.L. Sulava, S.B. BhanuPrashanth

FEEDBACK

Anoop
 Principal
 SHRI MADHWA VADIRAJA
 INSTITUTE OF TECHNOLOGY & MANAGEMENT
 Vishwothama Nagar, Udupi Dist.
 BANTAKAL - 574-115



Cyber Intelligence and Information Retrieval pp 49–58 | Cite as

Home > Cyber Intelligence and Information Retrieval > Conference paper

Analysis of the Beaufort Cipher Expansion Technique and Its Usage in Providing Data Security in Cloud

Deepthi G. Pai & Yogeeshha Pai

Conference paper | First Online: 29 September 2021

819 Accesses

Part of the Lecture Notes in Networks and Systems book series (LNNS, volume 291)

Abstract

Cloud computing usually refers to the usage of computational resources that is delivered as a service over the internet. Virtualization can be considered as the main technology behind cloud computing. There is a need for providing the security of the data in the cloud. Several encryption techniques have been used for providing the data security in the cloud. In this paper, analysis of the Beaufort expansion technique is carried out, and it is used for providing the security for the cloud data. Beaufort expansion technique provides better security against crypt analysis and pattern prediction compared to the original Beaufort cipher.

Keywords

- Beaufort
- Cloud
- CloudSim
- Encryption
- Cryptography
- Plaintext
- Cipher text
- Decryption
- Key

Access via your institution →

Chapter EUR 29.95
 Price includes VAT (India)

- Available as PDF
- Read on any device
- Instant download
- Own it forever

Buy Chapter

> eBook	EUR 160.49
> Softcover Book	EUR 199.99

Tax calculation will be finalised at checkout

Purchases are for personal use only

[Learn about institutional subscriptions](#)

Sections References

- Abstract
- References
- Author information
- Editor information



Download full issue

Outline

Abstract

Keywords

1. Introduction

2. Related works

3. Methodology

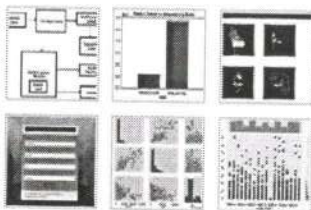
4. Result and discussion

5. Conclusion

References

Show full outline

Figures (9)



Show 3 more figures

Tables (2)

Table 1



Global Transitions Proceedings

Volume 2, Issue 2, November 2021, Pages 402-407



Crop yield forecasting using data mining

Pallavi Kamath , Pallavi Patil, Shrilatha S, Sushma, Sowmya S

Show more

+ Add to Mendeley Share Cite

<https://doi.org/10.1016/j.gltp.2021.08.008>

Get rights and content

Under a Creative Commons license

open access

Abstract

India is a heavily reliant on agriculture. Organic, economic, and seasonal factors all influence **agricultural yield**. Estimating agricultural production is a difficult task for our country, particularly given the current population situation. Crop production assumptions made far in advance can help farmers make the necessary planning for things like storing and marketing. Crop production prediction involves a huge amount of data, making it a perfect candidate for **data mining** methods. Data mining is a method of accumulating previously unseen anticipated information from vast database. Data mining assists in the analysis of future patterns and character, enabling companies to make informed decisions. For a specific region, this research provides a fast inspection of agricultural yield forecast using the Random Forest approach.

Previous article in issue

Next article in issue

Part of special issue

International Conference on Computing System and its Applications (ICCSA- 2021);
International Conference on Computing System and its Applications (ICCSA- 2021)
Edited by Parameshachari B.D

Download full issue

Other articles from this issue

Site reliability engineering for IOS mobile application in small-medium scale...

November 2021

N Kavyashree, ..., Dr. Lokesh M R

View PDF

Detection of solitary ocean internal waves from SAR images by using U-Net and KDV...

November 2021

S. Vasavi, ..., A. Shashikant Sarma

View PDF

An efficient hardware-based human body communication transceiver architecture f...

November 2021

B.L. Sujaya, S.B. BhanuPrashanth

FEEDBACK

Anoop

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.

View PDF

Download full issue

Outline

Abstract

Keywords

1. Introduction

2. Related works

3. Methods

4. Results

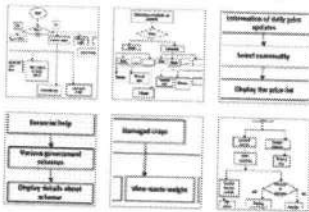
5. Discussion

6. Conclusion

References

Show full outline

Figures (17)



Show 11 more figures

Tables (1)

KeAi
CHINESE ROOTS
GLOBAL IMPACT

Global Transitions Proceedings

Volume 2, Issue 2, November 2021, Pages 500-505



AGRIC: A quality farming

U Prajna^o, B.S. Prajwal^o, N. Shrinidhi^o, A. Shree vidya Rao^o, Bhat Rukmini^o

Show more

+ Add to Mendeley Share Cite

<https://doi.org/10.1016/j.gtp.2021.08.020>

Get rights and content

Under a Creative Commons license

open access

Abstract

Around half of the Indian population depends on agriculture as a livelihood. Still, the share of agriculture in GDP is only 19.9% in 2020–21. This is mainly due to a lack of agricultural skills and a lack of an advisory system for farmers. Indian farmers have led to technological backwardness and a low rate of income to carry out modern agricultural activities. Agricultural information is essential for agricultural businesses.

In this article, agriculture information is used in the following ways: One way is to provide livestock information and farming advice, this is one of the agricultural activities that generate economic benefits for agriculture. Another way is to provide direct interaction with the government by keeping them updated with the financial schemes available to them and the daily market prices of farm products. The final approach is to use a centralized waste collection point based on a wireless sensor network to send waste and residues from the farms to generate biogas, which may be another source of

Part of special issue

International Conference on Computing System and its Applications (ICCSA- 2021); International Conference on Computing System and its Applications (ICCSA- 2021)
Edited by Parameshachari B.D

Download full issue

Other articles from this issue

Site reliability engineering for IOS mobile application in small-medium scale...

November 2021

N. Kavyashree, ..., Dr. Lokesh M R

View PDF

Detection of solitary ocean internal waves from SAR images by using U-Net and KDV...

November 2021

S. Vasavi, ..., A. Shashikant Sarma

View PDF

An efficient hardware-based human body communication transceiver architecture f...

November 2021

B.L. Suiyva, S.B. BhanuPrashanth

FEEDBACK

Principals
Principal
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udipi Dist.
KARNATAKA, INDIA



Article preview

Abstract

Introduction

Section snippets

References (23)

Cited by (15)

Microstructural and mechanical characterisation of Al-Zn-Mg-Cu alloy processed by multi-directional cryo-forging

S. Ramesh^a, G. Ganesh^b, G. Ganesh M. Nolk^c, C. Jagadeesh^d, H. Shivananda Navaka^d

Show more

+ Add to Mendeley Share Cite

<https://doi.org/10.1016/j.matpr.2021.02.709>

Get rights and content

Abstract

Aim of the present investigation is to study the microstructural and mechanical properties of Al-Zn-Mg-Cu alloy before and after multi-direction forging (MDF) at cryogenic condition up to 3 cycles. Microstructure evolution of specimen was examined using optical microscope and orientation imaging microscopy as well as X-ray diffraction. Mechanical properties were measured by tensile test and Vickers micro hardness. Microstructural investigation shows that after 3 cycle of MDF average grain size was reduced to 8µm with low angle grain boundaries (LAGBs) and high dislocation density. Mechanical examination displays an improvement in hardness, yield strength and ultimate tensile strength is due to increases in grain boundaries and strain hardening effect. After 3 cycles of MDF process with cumulative strain $\Sigma\Delta\epsilon=3.64$ led to the formation of fine grain structure, and microhardness were observed to be 168 HV.



Part of special issue

International Conference on Advances in Materials Science, Communication and Microelectronics

Edited by Mahanth Prasad, Girraj Sharma, Ashish Kumar

Other articles from this issue

Effect of synthesis route on the structural and electrical properties of sodium bismu...

2021

Pragati Singh, ..., Prabhakar Singh

Modeling, fabrication, and structural characterization of thin film ZnO based fil...

2021

Arun Kishor Jahar, ..., D. Bhoobhondani

Electrochemical study of copper oxide and activated charcoal based nanocomposite...

2021

Mahendra Singh Yadav, ..., Ashish Kumar

View more articles >

Recommended articles

Effect of temperature of isothermal multidirectional forging on microstructur...

Journal of Alloys and Compounds, Volume 746, 2018, p...

Pracop
Principal
SHRI MADHVA VAIDYAJI
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udipi Dist.
BANTAKAL - 574 115

All

ADVANCED SEARCH

Conferences > 2021 IEEE International Confe...

Grammatical Tagging for the Kannada Text Documents using Hybrid Bidirectional Long-Short Term Memory Model

Publisher: IEEE

Cite This

PDF

Alaka Ananth; Sachin S Bhat; P S Venugopala All Authors

2

Cites in
Papers

49

Full
Text Views



Abstract

Document Sections

- I. Introduction
 - II. Literature Review
 - III. Dataset
 - IV. Methodology
 - V. Results and Discussion
- Show Full Outline ▾
- Authors
- Figures
- References

Abstract:

Kannada is one of the most spoken languages in India. Despite the large usage base, like other major Indian languages, there exist minimal linguistic resources for computing and processing. Rich morphology and agglutinative nature of this language pose a great challenge to even the most basic of natural language processing applications like lemmatization, parts of speech tagging, summarization etc. In this paper, we have discussed a deep learning based perspective) for the grammatical tagging by utilizing hybrid models of bidirectional long short term memory(BDLSTM) and linear chain conditional random fields(CCRF). A database of Kannada documents with 15500 manually tagged words is used for this task. Proposed hybrid model shows a promising result of 81.02%.

Published in: 2021 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (DISCOVER)

Date of Conference: 19-20 November 2021

DOI: 10.1109/DISCOVER52564.2021.9663430

Date Added to IEEE Xplore: 05 January 2022

Publisher: IEEE

► ISBN Information:

Conference Location: Nita, India

Supplement your engineering curriculum with new eBooks from IEEE

LEARN MORE >

More Like This

A Very Large-Scale Integration (VLSI) Chip Design for Abnormal Heartbeat Detection Using a Data-Shifting Neural Network (DSNN)
IEEE Access
Published: 2024

A Low-Cost Very Large Scale Integration Architecture for Multistandard Inverse Transform
IEEE Transactions on Circuits and Systems II: Express Briefs
Published: 2010

Show More

Principles
SHRI MADHWA VADRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Mehroliwaha Nagar,
BANTAKOL - 574 415

Feedback

All

ADVANCED SEARCH

Conferences > 2021 IEEE International Confe...

Classification of Plant Leaves of Western Ghats using Deep Learning

Publisher: IEEE

Cite This

PDF

Sachin Bhat; Preema Dsouza; K Sharanyalaxmi; Shreeraksha; Tejasvini; Alaka Ananth All Authors

1 Cites in Paper 47 Full Text Views



Supplement your engineering curriculum with new eBooks from IEEE

LEARN MORE >

Abstract

Document Sections

- I. Introduction
- II. Literature Review
- III. Dataset
- IV. Methodology
- V. Results and Discussion

Show Full Outline

Authors

Figures

References

Abstract:

Countless numbers of plants are available in this world. Identifying each and every plant and then classifying them has become one of the important and difficult tasks. Various parts of plants such as flowers, seeds, leaves can be used for identification, but recognizing leaves is the simplest and most effective method. Deep learning technique brings out effective way of leaf recognition system. Here we have used customised Convolutional Neural Network model to recognize the leaves specially growing in western ghats. A separate dataset has been created by collecting more than 50000 leaf samples of 48 different types of plants. The relevant information about the set of plants are collected from the botanists. Various architectures of CNN such as InceptionV3, MobileNet, VGG16, DensNet are used to evaluate the results. Model gives a satisfactory accuracy of 93.79% on 48 classes.

Published in: 2021 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (DISCOVER)

Date of Conference: 19-20 November 2021

DOI: 10.1109/DISCOVER52564.2021.9663698

Date Added to IEEE Xplore: 05 January 2022

Publisher: IEEE

ISBN Information:

Conference Location: Nitte, India

More Like This

A Very Large-Scale Integration (VLSI) Chip Design for Abnormal Heartbeat Detection Using a Data-Shifting Neural Network (DSNN)
IEEE Access
Published: 2024

Deep Learning Convolutional Neural Networks with Dropout - A Parallel Approach
2018 17th IEEE International Conference on Machine Learning and Applications (ICMLA)
Published: 2018

Show More

Principal
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & M
Vishwathama Nagar, Udipi Dist
BANGALORE - 574 115

Feedback



Emerging Research in Computing, Information, Communication and Applications pp 1–9 | [Cite as](#)

Home > [Emerging Research in Computing, Information, Communication and Applications](#) > Conference paper

Design of a Secure Blockchain Based Privacy Preserving Electronic Voting System

R. Shashidhara, M. Indushree & N. S. Sneha

Conference paper | [First Online: 16 November 2021](#)

425 Accesses | 1 Citations

Part of the [Lecture Notes in Electrical Engineering](#) book series (LNEE, volume 789)

Abstract

Blockchain is an emerging technology, which offering numerous opportunities to develop decentralized and distributed digital services by ensuring privacy and transparency. It has mainly concentrating on the legal and technical issues rather developing advanced digitized services. In this article, we make use of the smart contracts with Blockchain to design the secure electronic voting system. The aspect of privacy, authenticity, transparency and security is a threat and challenging in the traditional voting systems. In general, mostly elections is based on the centralized infrastructure consists of central entity that maintains over all the voting process. The major pitfalls in the existing E-voting infrastructure is with an entity that has full influence over the system, it is feasible to modify with databases of considerable opportunities. In addition, the paper based voting systems are assisted by Electronic Voting Machines (EVMs) have multiple vulnerabilities, which can be caused to election rigging, fraudulent intent of the third party entities and government. The decentralized public Blockchain technology might offers a scalable solution to current voting systems by providing

Access via your institution →

Chapter	EUR 29.95
Price includes VAT (India)	
<ul style="list-style-type: none"> Available as PDF Read on any device Instant download Own it forever 	
Buy Chapter	
> eBook	EUR 149.79
> Softcover Book	EUR 179.99
> Hardcover Book	EUR 179.99

Tax calculation will be finalised at checkout

Purchases are for personal use only
[Learn about institutional subscriptions](#)

Princip
 Principal
 SHRI MADHWA VADHRAJA
 INSTITUTE OF TECHNOLOGY & MANAGEMENT
 Vishwothama Nagar, Udupi Dist.
 BANTAKAL - 574 115

- Sections
- [Abstract](#)
- [References](#)
- [Author information](#)
- [Editor information](#)

References



Access through your institution

Purchase PDF

Article preview

Abstract

Introduction

Section snippets

References (14)



Cited by (3)

materialstoday:
PROCEEDINGS



Volume 47, Part 17, 2021, Pages 5901-5906

Erosion wear behavior of glass fiber hybridized flax and sisal fabric hybrid composites with taguchi experimental design

Ganesh Kalagi ^a, Abdulrajak Buradi ^b, Abdul Razak Kaladgi ^c  , H.K. Madhusudhana ^d,
H. Udaya Prasanna ^a, Raja Yateesh Yadav ^a, Asif Afzal ^c, C. Ahamed Saleel ^e

Show more 

+ Add to Mendeley  Share  Cite

<https://doi.org/10.1016/j.matpr.2021.04.430>

Get rights and content 

Abstract

An attempt has been made in the present experimental research work to investigate the effect of hybridization of varying composition of glass fiber on erosion wear characteristics of flax and sisal (flax/sisal) fibers reinforced hybrid composites (FSHC) by varying epoxy resin (polymer matrix) loadings. All the composite specimens subjected to erosion wear tests based on ASTM standards. Using Taguchi principle design of experiment is carried out for erosion wear properties for different proportion of

Prasanna
Principal

SRI MADHANA YADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwathama Nagar, Udupi Dist.
KANTAKAL - 574 115

Search bar with 'All' dropdown and 'ADVANCED SEARCH' button

Conferences > 2021 IEEE International Confe...

Android App and RFID Based Smart Ration Distribution System

Publisher: IEEE

Cite This

PDF

Avinash N J; Krishnaraj Rao N S; Rama Moorthy H; Ashwin Shenoy M; Chetan R; Sowmya Bhat All Authors

2 Cites in Papers | 53 Full Text Views



The IEEE Open Journal of Vehicular Technology has received its first Journal Impact Factor™

Now accepted for indexing by Clarivate

Learn More

775 IEEE

Abstract

Document Sections

- I. Introduction
- II. Existing System
- III. Proposed System
- IV. Materials and Methods
- V. Result

Authors

Figures

References

Citations

Keywords

Metrics

Abstract:

In this paper we discuss about deploying a smart android application for ration service and ration availing through a online service. Additional to the e-service we also discuss about introducing RFID Card to replace the conventional ration card. In the proposed system the smart app is intended to be used for ration availing through online mode, thereby cutting down traditional means of ration availing. Online service offers two modes of availing ration, the beneficiary can opt to collect ration for him/herself or they can opt for others to collect the ration for them. Additional to the smart service, a unique RFID tag is assigned to one member of each family to verify their identity by RFID reader while collecting ration through FPS. Beneficiaries are given both option of availing ration either by online or offline and can make use of either as per their comfort.

Published in: 2021 IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC)

Date of Conference: 03-04 December 2021

DOI: 10.1109/ICMNWC52512.2021.9888465

Date Added to IEEE Xplore: 28 January 2022

Publisher: IEEE

ISBN Information:

Conference Location: Tumkur, Karnataka, India

I. Introduction

The Government of India has issued Ration Card to every indian family for fulfilling their daily meal needs. The Ration card is a document issued under the authority of state Government, as per the Public Distribution System, for the purchase of necessary commodities from FPS. State Government issues a poverty line (APL), below the poverty line (BPL) and conduct periodical review and checkup. A ration system is established by the government of India under Ministry of Consumer Affairs, Food, and Public Distribution to distribute grossely items. Along with that,

Sign in to Continue Reading

More Like This

Exploring THz band for high speed wireless communications
2016 41st International Conference on Infrared, Millimeter, and Terahertz waves (IRMMW-THz)
Published: 2016

Optical Wireless Communications (OWC) - Technologies and Applications
2020 Opto-Electronics and Communications Conference (OECC)
Published: 2020

Show More

CAS | IEEE

Get Published in the IEEE Open Journal of Circuits and Systems

Princop
Principal
ADITHYAN VADRAJA
TECHNOLOGY & MANAGEMENT
ama Nagar, Udipi Dist.
NTAKAL - 574 115



Traffic violation detection in India using genetic algorithm

Akhilalakshmi T Bhat, Anupama, Akshatha, Mahima S Rao, **Deepthi G Pai**

Show more

+ Add to Mendeley Share Cite

<https://doi.org/10.1016/j.gltp.2021.08.056>

Get rights and content

Under a Creative Commons license

open access

Abstract

The paper speaks about traffic violation detection, which is the most happening topic where the existed system is being automated, or we can say that machines do all the work which includes automatically detecting the vehicle and their violation. Recording of the traffic will be collected through CCTV footages and then violation is detected by the system. Then that clip's image will be displayed showing the violation. This paper discusses detection of the violation that is specifically done by the algorithm that is, **Genetic Algorithm**. Genetic algorithm is used to optimize input given to machine and that could be the records set gathered from the CCTV footage. These inputs can be similarly transformed into frames (it is far one of the many nonetheless photos which composes the entire transferring picture). Next step is the background subtraction which allows to take the ones frames as inputs and offer pictures foreground to be extracted for

Part of special issue

International Conference on Computing System and its Applications (ICCSA- 2021): International Conference on Computing System and its Applications (ICCSA- 2021)
Edited by Parameshachari B.D

Download full issue

Other articles from this issue

Site reliability engineering for IOS mobile application in small-medium scale...

November 2021

N Kavyashree, ..., Dr. Lokesh M R

View PDF

Detection of solitary ocean internal waves from SAR images by using U-Net and KDV...

November 2021

S. Vasavi, ..., A. Shashikant Sarma

View PDF

An efficient hardware-based human body communication transceiver architecture f...

November 2021

B.L. Suiava, S.B. Bhangy...

Principal
Smt. MANJIVA VADIRAM
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwathama Nagar, Udipi Dist.
BANTAKAL - 574 115




Pest control management system using organic pesticides

Promoda Kalkura  , Puneeth Raj B , Suhas Kashyap N , Surya , Ms. Ramyashree 

Show more 

+ Add to Mendeley  Share  Cite

<https://doi.org/10.1016/j.gitp.2021.08.058> 

Get rights and content 

Under a Creative Commons license 

 open access

Abstract

Pest detection is the biggest challenge for the farmers in the field of agriculture. Farmer have to take proper measures to fight against pests by using organic pesticides. This project describes a software prototype system for pest control by identifying the name of the pest. Farmers have to capture the image of the pest using the Android application. Then they have to upload the pest image to the software. Identifying pests over crops is one of the major challenging tasks for the crop technicians and farmers in the field of agriculture. This also causes damage to crops leading to low yield and to the farmers. Image database of the pests is also taken for consideration. Set of training images are compared with the testing images to enable. The convolutional neural network classification approach is adopted to identify the class of Pests.

Part of special issue

International Conference on Computing System and its Applications (ICCSA- 2021): International Conference on Computing System and its Applications (ICCSA- 2021)
Edited by Parameshachari B.D

 Download full issue

Other articles from this issue

Site reliability engineering for IOS mobile application in small-medium scale...

November 2021

N Kavyashree, ..., Dr. Lokesh M R

 View PDF

Detection of solitary ocean internal waves from SAR images by using U-Net and KDV...

November 2021

S. Vasavi, ..., A. Shashikant Sarma

 View PDF

An efficient hardware-based human body communication transceiver architecture f...

November 2021

R. Sriniva S R, RhanuPrashanth

MS COP
SHRI MADHVA YADAV
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udipi Dist.
BANTAKAL - 574 115



Part of special issue

International Conference on
Computing System and its
Applications (ICCSA- 2021):

International Conference on
Computing System and its
Applications (ICCSA- 2021)

Edited by Parameshachari B.D

 Download full issue

Other articles from this issue

Site reliability engineering for IOS mobile
application in small-medium scale...

November 2021

N Kavyashree, ..., Dr. Lokesh M R

 View PDF

Detection of solitary ocean internal waves
from SAR images by using U-Net and KDV...

November 2021

S. Vasavi, ..., A. Shashikant Sarma

 View PDF


An efficient hardware-based human body
communication transceiver architecture f...


November 2021

P. Srinivas, C.B. Ramesh Babu, R. Prasad

Principles
SHRI MACHINERY TRAINING
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udipi Dist
BANTAKAL - 574 115

Facial recognition using Haar cascade and LBP classifiers

Anirudha B Shetty , Bhoomika, Deeksha, Jeevan Rebeiro, Ramyashree


Show more 

+ Add to Mendeley  Share  Cite

<https://doi.org/10.1016/j.glt.2021.08.044>


Get rights and content 

Under a Creative Commons license 

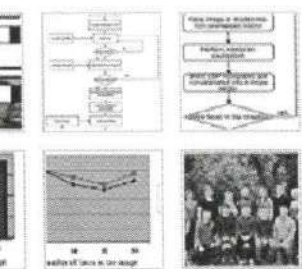
 open access

Abstract

Facial Recognition is the biometric technique used in face detection. The task for validating or recognizing a face from the multi-media photographs is done using facial recognition technique. With the evolution of advanced society the requirement for face identification has been really important. Detection and identification of faces has been grown worldwide. It owes the demand for security such as authorization, national safety and other vital circumstances. There are number of algorithms for facial detection. This paper aspires to present the comparison of two face recognition techniques Haar Cascade and Local Binary Pattern edified for the classification. As a result the accuracy of Haar Cascade is more than the Local Binary Pattern but the execution time in Haar Cascade is more than Local Binary Pattern.

on
survey
ogy
n and future work
on of Competing Interest
s
outline 

(9)



more figures 

(3)

View PDF

Download full issue

Outline

Abstract

Keywords

1. Introduction

2. Related works

3. Methodology

4. Result and discussion

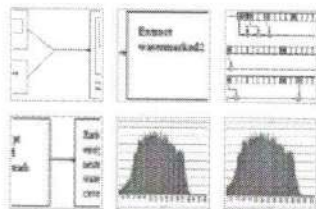
5. Conclusion

Conflict of interest

References

Show full outline

Figures (14)



Show 8 more figures

Tables (1)



Global Transitions Proceedings

Volume 2, Issue 2, November 2021, Pages 386-391



Protection of data using image watermarking technique

Sawmya S., Sahana Karanth, Sharath Kumar

Show more

Add to Mendeley Share Cite

<https://doi.org/10.1016/j.gtp.2021.08.035>

Get rights and content

Under a Creative Commons license

open access

Abstract

Digital watermarking is one of the techniques used for copyright protection as well as authentication purpose. In this paper, digital watermark embedding and extraction techniques have been used in which a nested type of watermarking (a watermark inside another watermark) has been presented. The main purpose of using the nested watermarking method is, it increases the embedding capacity so that a large amount of information could be embedded. In this method, one watermark is embedded into another watermark. The resultant watermark is considered as main watermark. The main watermark is encrypted and then embedded into the main image. The main goal in encrypting the watermarks before embedding is increased safety. A5/1 encryption algorithm is used for the encryption and decryption purpose. Therefore, our research work focuses on two important things i.e., increased watermark embedding capacity and

Part of special issue

International Conference on Computing System and its Applications (ICCSA- 2021); International Conference on Computing System and its Applications (ICCSA- 2021)
Edited by Parameshochari B.D

Download full issue

Other articles from this issue

Site reliability engineering for IOS mobile application in small-medium scale...

November 2021
N Kavyashree, ..., Dr. Lokesh M R

View PDF

Detection of solitary ocean internal waves from SAR images by using U-Net and KDV...

November 2021
S. Vasavi, ..., A. Shashikant Sarma

View PDF

An efficient hardware-based human body communication transceiver architecture f...

November 2021
B.L. Suiava, S.B. BhanuPrashanth

View PDF

SHRI MADHVA YADIRAIA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwathama Nagar, Udupi Dist
BANTAKAL - 574 119

FEEDBACK

View PDF [Download full issue](#)

Outline

Abstract

Keywords

1. Introduction

2. Related work

3. Methods

4. Result and discussion

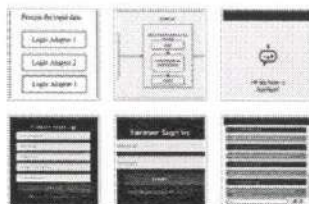
5. Conclusion and future work

Declaration of competing interest

References

Show full outline

Figures (10)



Show 4 more figures

Tables (4)



Global Transitions Proceedings

Volume 2, Issue 2, November 2021, Pages 506-512



Agroxpert - Farmer assistant

Vandana Navak^a, Pranav R Navak N^b, Sampoorna^c, Aishwarya^d,
N.H. Sowmya^e

Show more

+ Add to Mendeley Share Cite

<https://doi.org/10.1016/j.glt.2021.08.016>

Get rights and content

Under a Creative Commons license

open access

Abstract

Agriculture occupies an important position in the Indian economy. Indian farmers today are facing the problem of low income due to the lack of information about government schemes, fertilizers, farming equipment etc. Some **smallholders** and marginalized farmers have low awareness as most of them live in remote areas and don't have access to information about soil properties, seeds, recently used tools, fertilizers, etc. The document proposes an intelligent, portable system that uses natural language processing methods to help farmers use different farming methods, and further help them to answer their queries and solve their basic and intermediate level doubts using chatbot which will save their time. To meet all the requirements of farmers, a chatbot is proposed using natural language processing **technology**. The system will act as an interactive virtual assistant for farmers, answering all queries related to agriculture. This paper will go through the implementation of the chatbot using the chatbot of libraries and Dis...

Part of special issue

International Conference on Computing System and its Applications (ICCSA- 2021): International Conference on Computing System and its Applications (ICCSA- 2021)
 Edited by Parameshachari B.D

Download full issue

Other articles from this issue

Site reliability engineering for IOS mobile application in small-medium scale...

November 2021
 N Kavyashree, ..., Dr. Lokesh M R

View PDF

Detection of solitary ocean internal waves from SAR images by using U-Net and KDV...

November 2021
 S. Vasavi, ..., A. Shashikant Sarma

View PDF

An efficient hardware-based human body communication transceiver architecture f...

November 2021
 B.L. Suiaya, S.B. BhanuPrashanth

FEEDBACK

Principal
 SHRI MADHWA VADIRAJA
 INSTITUTE OF TECHNOLOGY & MANAGEMENT
 Vishwothama Nagar, Udipi Dist.
 BANTAKAL - 574115

View PDF

Download full issue

Outline

Abstract

Keywords

1. Introduction

2. Related work

3. Methods

4. Results

5. Discussion

6. Conclusion

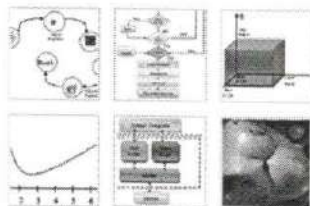
Authors' contributions

Acknowledgements

References

Show full outline

Figures (13)



Show 7 more figures



Global Transitions Proceedings

Volume 2, Issue 2, November 2021, Pages 441-447



Identification of aromatic coconuts using image processing and machine learning techniques

Shrihari Kollapur, Mahith Heade, Adithya D. Sanil, Raghavendra Pai, Sneha NS

Show more

+ Add to Mendeley Share Cite

<https://doi.org/10.1016/j.gitp.2021.08.037>

Get rights and content

Under a Creative Commons license

open access

Abstract

The paper develops an efficient and accurate method for detecting fresh aromatic coconuts. Coconuts have a nearly cosmopolitan distribution due to human action in using them for agriculture. At present, the only way to determine whether a coconut is aromatic or not is by tasting it. By implementing the IAC (Identification of Aromatic Coconuts) method as proposed in this research, it is possible to identify the aromaticity through non-invasive mechanisms with the help of image-processing techniques. The brightness of the image has to be adjusted accordingly for actual implementation. The underlying principle is that the color of the region of interest at the bottom part of the coconut shell is correlated to its age. Segmentation is done on the image via K-Means.

Part of special issue

International Conference on Computing System and its Applications (ICCSA- 2021); International Conference on Computing System and its Applications (ICCSA- 2021)
Edited by Parameshachari B.D

Download full issue

Other articles from this issue

Site reliability engineering for IOS mobile application in small-medium scale...

November 2021
N Kavyashree, ..., Dr. Lokesh M R

View PDF

Detection of solitary ocean internal waves from SAR images by using U-Net and KDV...

November 2021
S. Vasavi, ..., A. Shashikant Sarma

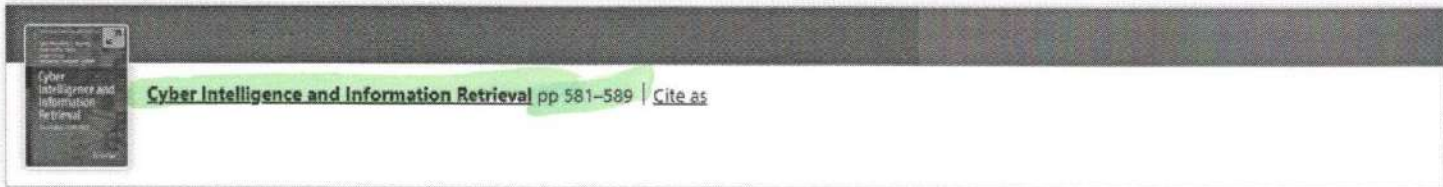
View PDF

An efficient hardware-based human body communication transceiver architecture f...

November 2021
B.L. Sulava, S.B. BhanuPrashanth

FEEDBACK

Principal
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574115



Home > Cyber Intelligence and Information Retrieval > Conference paper

Comparative Analysis of Brain Tumor Segmentation with Fuzzy C-Means Using Multicore CPU and CUDA on GPU

Sahana S. Sowmya & V. Narendra

Conference paper | First Online: 29 September 2021

821 Accesses

Part of the Lecture Notes in Networks and Systems book series (LNNs, volume 291)

Abstract

Magnetic resonance imaging is widely applied in medical practice. It has become a difficult task to divide the brain's image into distinct groups due to the symbiosis of intensity and noise. In recent years, due to the enhanced soft tissue contrast of non-invasive imaging and magnetic resonance imaging (MRI) images, MRI-based brain tumor segmentation studies are gaining more attention. With nearly two decades of development, innovative approaches to use computer-aided techniques to the field of brain tumors are becoming more mature and approaching common clinical applications. In order to enhance the segmentation performance of MRI brain images, fuzzy C-means (FCM) method based on similarity measurement is implemented in this paper. However, high computational requirements when working with big datasets are the principal problem with these algorithms. GPU today plays a major role in implementing time-consuming algorithms to decrease the complexity of time. With the use of FCM algorithm in GPU reduces the time required for processing the large amount of data, and

Access via your institution →

Chapter EUR 29.95
Price includes VAT (India)

- Available as PDF
- Read on any device
- Instant download
- Own it forever

Buy Chapter

> eBook	EUR 160.49
> Softcover Book	EUR 199.99

Tax calculation will be finalised at checkout

Purchases are for personal use only

[Learn about institutional subscriptions](#)

Sections References

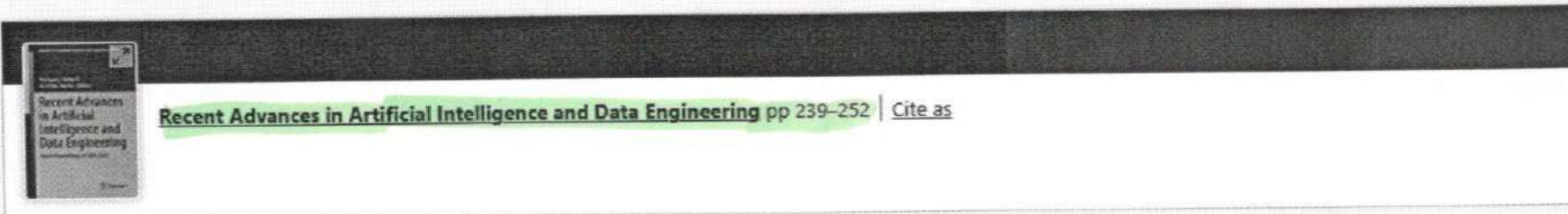
Abstract

References

Author information

Editor information

Principat
SHRI MADHVA VAMRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, 5th Flr, Dist.
BANTAKAL - 574 115



Recent Advances in Artificial Intelligence and Data Engineering pp 239–252 | Cite as

Home > Recent Advances in Artificial Intelligence and Data Engineering > Conference paper

Building Dataset and Deep Learning-Based Inception Model for the Character Classification of Tigalari Script

Sachin S. Bhat Alaka Ananth Rajashree Nambiar & Nagaraj Bhat

Conference paper | First Online: 01 November 2021

272 Accesses | 1 Citations

Part of the *Advances in Intelligent Systems and Computing* book series (AISC, volume 1386)

Abstract

Image classification and optical character recognition are important research areas in computer vision. With advancement in machine learning and deep learning techniques, these fields are attracting lot of researchers to develop models with near human perfection. Many character recognition models are available for modern languages. But, it is still a challenging task to analyze the handwritten text in Indian scripts. It is further complex for the scripts with large alpha syllabary and complex nature. This paper proposes a technique for the recognition and classification of ancient Tigalari characters from the handwritten text. Tigalari is widely used in coastal Karnataka and Kerala for documenting Sanskrit, Tulu, and Malayalam languages. Method involves the creation of database, design of deep convolution neural network (DCNN)-based architecture to classify the text, training the model with the data and recognizing text using test set. Being an inception model for this script, proposed method classifies 46 basic Tigalari characters with an impressive accuracy of 98.55%.

Access via your institution →

Chapter	EUR 29.95
Price includes VAT (India)	
<ul style="list-style-type: none"> Available as PDF Read on any device Instant download Own it forever 	
Buy Chapter	
> eBook	EUR 245.03
> Softcover Book	EUR 299.99
> Hardcover Book	EUR 299.99

Tax calculation will be finalised at checkout

Purchases are for personal use only

[Learn about institutional subscriptions](#)

Sections	References
Abstract	
References	
Author information	

M. S. Rao
Principal
VISHWAKSAR INSTITUTE OF TECHNOLOGY
VISHWAKSAR INSTITUTE OF TECHNOLOGY
VISHWAKSAR INSTITUTE OF TECHNOLOGY
VISHWAKSAR INSTITUTE OF TECHNOLOGY
VISHWAKSAR INSTITUTE OF TECHNOLOGY

ICAECT-2022

International Conference on Advances of Electronics and Computer Technology

Certificate of Participation

This is to certify that **Dr. Balachandra Achar H.V.** has presented the paper entitled
“**Enhancing the performance of Wireless Sensor Networks by integrating with Optical
Fiber Communication**”, at the **International Conference on Advances of Electronics and
Computer Technology (ICAECT-2022)**, organized by the Department of Electronics
Engineering, Vidyalankar Institute of Technology, Mumbai, on **April 7 – 8, 2022.**



Dr. Arun Chavan
Convenor



Dr. Sheetal Mapare
Co-Convenor



Dr. Nayana Mahajan
Co-Convenor


Principal

Sapthagiri College of Engineering

Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi
ISO 9001-2015 & 14001-2015 Certified Institute
Accredited By NAAC with "A" Grade



International Conference

On

"Global Convergence in Technology, Entrepreneurship,
Computing and Value Engineering: Principles and Practices"
(ICGCP—2021)

Certificate

This Certificate Acknowledges and Honors

Prof. /Dr. /Mr. /Ms. SOWMYA BHAT of SMVITM

BANTAKAL, KARNATAKA has Participated and Presented Paper Titled
"DESIGN OF LOW POWER FULL ADDER WITH
MINIMUM NUMBER OF TRANSISTOR FOR
APPLICATIONS."

in

International Conference on "Global Convergence in Technology, Entrepreneurship,
Computing and Value Engineering: Principles and Practices" Organized by Sapthagiri
College of Engineering.

Held on 16th & 17th of July 2021


Dr. Shripad Markande
Conference Co- Chairman


Dr. H. Ramakrishna
Conference Chairman


Sri. G. Dayananda
Chairman
Principal
SHRI MADHYA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574115

ISBN: 979-85-27243-61-1