

Dr. Rajith Kumar B K

Dr. RAJITHKUMAR B K, Assistant Professor

B.E (Electronics and Communication Engineering),

Educational Qualification M.Tech(Digital Electronics and Communication Systems).

Ph.D:Artificial Intelligence

Experience Teaching: 10 Years.

Area of Interest Embeddeds Systems, Image processing & Pattern Recognition.

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Date of Joining at RVCE : 02 Feb 2015

Publications:

A.Book Chapter Published:02

1. Rajithkumar B K, et. al., “Detection of Blood Related Disease using Deep Neural Network”, Handbook on research on Deep Learning innovations trends, IGI Journals -2018.
2. Rajithkumar B K, et. al., "Real-Time Input Text Recognition System for the Aid of Visually Impaired", Book title “Lecturer Notes Computational Vision”, Chapter 16, Springer Nature, ISBN : 978-3-030-00664-8, 2018.

B.International Journals: 14

1. Rajithkumar BK, B. V. Uma, H. S. Mohana, “Recognition of Historical Kannada Manuscripts using Convolution Neural Network”, International Journal of Intelligent Systems and Applications in Engineering. , vol. 12, no. 3, pp. 1138–1147, Mar. 2024(Q3 Journal)
2. Rajithkumar B K, et. al., “Edge Detection of Degraded Stone Inscription Kannada Characters using Fuzzy Logic Algorithm”, **Springer-Advances in Intelligent Systems and Computing (AISC)**” Series, 2018, ISSN Number-2194-5357
3. Rajithkumar B K, et. al., “Design and Development of Weight Sensor Based Smart Shopping Cart and Rack System for Shopping Malls”, **Elsevier Material science**, 2018.
4. Rajithkumar B K, et. al., “IoT based Integrated Health Monitoring System”, International Journal of Engineering & Scientific Research(IJESR), ISSN: 2347-6532, 2018.(UGC listed Journal)
5. Dr H.S. Mohana, Rajithkumar B K, “Real Time Kannada Stone Inscriptions Characters Recognition System” International Journal of Electrical, Electronics and Communication Engineering(IJEECE), Volume 1 Issue 1, page 1-9, August 2016

6. Rajithkumar B K, Dr H.S. Mohana, .et. al “Read and Recognition of old Kannada Stone Inscriptions Characters using Novel Algorithm”, ©2015 IEEE, Pages: 308 – 312, ISBN 978-1-4673-9825-1/15/\$31.00,2016
7. Dr H.S. Mohana, Rajithkumar B K, .et. Al “ Identification and recognition of ancient Stone In-Scripted Hoysala Characters using Support Vector Machine (SVM) Model”, International Journal of Innovative Research In Technology, IJIRT , Volume 1 Issue 12 | ISSN: 2349-6002,2015
8. Dr H.S. Mohana, Rajithkumar B K, .et. al “Printed and Handwritten Mixed Kannada Characters Recognition Using Template Matching Method”, International Journal of Electronics & Communication Technology (IJECT) Vol. 6, Issue 2, April - June 2015.
9. Dr H.S. Mohana, Rajithkumar B K “Era Identification and Recognition of Ganga and Hoysala Phase Kannada Stone Inscriptions Characters using Advance Recognition Algorithm”, ©2014 IEEE 2014,ISBN-978-1-4799-4190-2/14/\$31.00.
10. Rajithkumar B K, Dr H.S. Mohana, .et. al “Template Matching Method for Recognition of Stone Inscribed Kannada Characters of Different Time Frames based on Correlation Analysis”, International Journal of Computer and Electronics Research(IJCER),Vol. 3, Issue 3, June 2014
11. Dr H.S. Mohana, Rajithkumar B K, .et. al “Extraction of Stone In-scripted Kannada Characters Using Sift Algorithm Based Image Mosaic”,International Journal of Electronics & Communication Technology (IJECT) Vol. 5, Issue 2, April - June 2014
12. Dr H.S. Mohana, Rajithkumar B K, .et. al “Finger Print Recognition using Scale Invariant Feature Transform”,International Journal of Electrical and Electronic Engineering & Telecommunications (IJEETC), Vol. 3, No. 3, July 2014.
13. Dr H.S. Mohana, Rajithkumar B K, .et. al “Era Identification and Recognition of Stone In-scripted Kannada Characters Using Artificial Neural Networks”,International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, NCICCT’ 14 Conference Proceedings.
14. Dr H.S. Mohana, Rajithkumar B K, .et. al,“Interactive Segmentation for Character Extraction in Stone Inscriptions”,Pages: 321 - 327, ©2014 IEEE 2014, ISBN:978-1-4799-7986-8.

C.International Conferences:

1. Rajithkumar B K, Dr H.S. Mohana, .et. al “Read and Recognition of old Kannada Stone Inscriptions Characters using Novel Algorithm”,IEEE Conference on “Control Instrumentation Communication and Computational Technologies (ICCICCT 2015)”December 2015.
2. Dr H.S. Mohana, Rajithkumar B K, .et. al “Era Identification and Recognition of Ganga and Hoysala Phase Kannada Stone Inscriptions Characters using Advance Recognition Algorithm”, IEEE Conference on “Control Instrumentation Communication and Computational Technologies (ICCICCT 2014)”July 2014.
3. Dr H.S. Mohana, Rajithkumar B K, .et. al “Interactive Segmentation for Character Extraction in Stone Inscriptions”,International Conference on Current Trends in Engineering and Technology(ICCTET’14),2014.

Research Projects

- 1.IoT based Soil Nutritions Monitoring System,Funded by RVCE_CISCO,IoE,2018
- 2.IoT based Blood Samples Estimation using Image Processing,funded by RVCE_CISCO,IOE,2018

3.Integreted Health Monitoring Systems Funded by RVCE_CoE Macro Electronics,2017-18

Consultancy Projects:

1.Advanced Webpage Development Software for Innosolv Pvt,Ltd,Bengaluru,2018

Awards and Recognitions:

1.Best **Achievement award** on Jan 26th 2019 Annual day from Rashtriya Sikshana Samithi Trust(RSST).

2. Qualified in Karnataka State Eligibility Test(KSET) for Lecturership-2017.