

Document details

< Back to results | 1 of 1

Export Download Print E-mail Save to PDF Add to List More... >

View at Publisher

2018 IEEE 5th International Conference on Engineering Technologies and Applied Sciences, ICETAS 2018
28 January 2019, Article number 8629110
5th IEEE International Conference on Engineering Technologies and Applied Sciences, ICETAS 2018; AIT Conference CenterBangkok; Thailand; 22 November 2018 through 23 November 2018; Category numberCFP18N08-ART; Code 144743

Offline-printed Sindhi Optical Text Recognition : Survey (Conference Paper)

Solangi, Y.A.^a✉, Solangi, Z.A.^b✉, Raza, A.^c✉, Shaikh, N.A.^a✉, Mallah, G.A.^a✉, Shah, A.^c✉

^aDepartment of Computer Science, Shah Abdul Latif University Khairpur, Pakistan
^bColleges and Institutes Sector Royal Commission for Jubail, Saudi Arabia
^cKulliyyah of Information and Communication Technology, International Islamic University, Malaysia

Abstract

View references (21)

Optical Character Recognition (OCR) applications are becoming more intensive than before and show great prospective for rapid data entry, but has limited success when applied to the Sindhi language. This paper summarize the general topic of optical character recognition and highlights the characteristics of Sindhi script. It also presents an historical review of the Sindhi text recognition systems. More this paper underline the capabilities of different OCR systems, and then introduce a five stage model for off-line printed Sindhi text recognition systems and classify research work according to this model. © 2018 IEEE.

SciVal Topic Prominence ⓘ

Topic: Character recognition | Optical character recognition | IFN/ENIT database

Prominence percentile: 83.839 ⓘ

Author keywords

Feature extraction OCR Optical Text recognition Segmentation Sindhi script

Indexed keywords

Engineering controlled terms: Feature extraction Image segmentation Optical character recognition

Engineering uncontrolled terms: Historical review OCR systems Offline Optical character recognition (OCR) Sindhi script Stage models Text recognition

Engineering main heading: Engineering research

Metrics ⓘ

0 Citations in Scopus
0 Field-Weighted Citation Impact

PlumX Metrics
Usage, Captures, Mentions, Social Media and Citations beyond Scopus.

Cited by 0 documents

Inform me when this document is cited in Scopus:

Set citation alert >
Set citation feed >

Related documents

A new approach for recognizing multifont Chinese characters used in a special application
Chen, L.-H. , Lee, Y.-K. (1996) *International Journal of Pattern Recognition and Artificial Intelligence*

The use of Hartley transform in OCR with application to printed Arabic character recognition
Mahmoud, S.A. , Mahmoud, A.S. (2009) *Pattern Analysis and Applications*

Rule-based cleanup of on-line English ink notes
Lin, Z. , Wang, R. , Shum, H.-Y. (2006) *Pattern Recognition*

View all related documents based on references

Find more related documents in Scopus based on:

Authors > Keywords >

References (21)

[View in search results format >](#)

☐ All ☐ Export ☐ Print ☐ E-mail ☐ Save to PDF ☐ Create bibliography

-
- ☐ 1 Palkovic, A.J.
(2018) *Improving Optical Character Recognition*, 7, pp. 361-364.

-
- ☐ 2 Al-Badr, B., Mahmoud, S.A.
Survey and bibliography of Arabic optical text recognition

(1995) *Signal Processing*, 41 (1), pp. 49-77. Cited 167 times.
doi: 10.1016/0165-1684(94)00090-M

[View at Publisher](#)

-
- ☐ 3 Govindan, V.K., Shivaprasad, A.P.
Character recognition - A review

(1990) *Pattern Recognition*, 23 (7), pp. 671-683. Cited 286 times.
doi: 10.1016/0031-3203(90)90091-X

[View at Publisher](#)

-
- ☐ 4 Tanvir Parvez, M., Mahmoud, S.A.
Arabic handwriting recognition using structural and syntactic pattern attributes

(2013) *Pattern Recognition*, 46 (1), pp. 141-154. Cited 51 times.
doi: 10.1016/j.patcog.2012.07.012

[View at Publisher](#)

-
- ☐ 5 Hakro, D.N., Talib, A.Z.
Printed text image database for sindhi OCR

(2016) *ACM Transactions on Asian and Low-Resource Language Information Processing*, 15 (4), art. no. 21. Cited 3 times.
<http://dl.acm.org.ezproxy.um.edu.my/citation.cfm?id=J1521>
doi: 10.1145/2846093

[View at Publisher](#)

-
- ☐ 6 Hakro, D.N., Ismaili, I.A., Talib, A.Z., Bhatti, Z., Mojai, G.N.
Issues and challenges in Sindhi OCR
(2014) *Sindh Univ. Res. Journal-SURJ (Science Ser)*, 46 (2). Cited 5 times.

-
- ☐ 7 Bhatti, Z., Waqas, A., Ismaili, I.A., Hakro, D.N., Soomro, W.J.
(2014) *Phonetic Based Soundex & Shapeex Algorithm for Sindhi Spell Checker System*. Cited 5 times.
arXiv Prepr. arXiv1405 3033
-