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Development of an Image Enhancement Method for Android Applications

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Abstract

Digital image processing plays a vital role in enhancing images as it is said that a picture is worth a thousand words. Image enhancement is the process of improving digital image quality. There are tremendous growths in the techniques used to enhance images due to the advances in technology. Client in today's world uses various tools for different image processing features while operating in the same digital image. In this paper, an enhancement image method is proposed and implemented as an android application. Few techniques of image enhancement are being applied in the code construction together with another additional features to relocate image position. To test the effectiveness of this application, PSNR comparison test between original and enhanced image and Application user-survey have been conducted. © 2022, The Author(s), under exclusive license to Springer Nature Singapore Pte Ltd.


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-
- 1 Taşkın, C., Yiğit, A., Taşkın, D., Taşkın, C.
Image processing on Android devices with OpenCV
(2017) *J Tech Univ Sofia Plovdiv Branch Bulgaria Fundam Sci Appl*, (5), pp. 73-77.
-
- 2 Venkateswarlu, S.T.
Enhancement techniques for gray scale images in spatial domain
(2012) *Int J Emerg Technol Adv Eng*, 2 (4). Cited 5 times.
-
- 3 Mundhada, S.O., Shandilya, V.K.
Spatial and transformation domain techniques for image enhancement
(2012) *Int J Eng Sci Innov Technol (IJESIT)*, 1 (2), pp. 213-216. Cited 11 times.
-
- 4 Peng, C., Vuorimaa, P.
Development of Java user interface for digital television. In: Proceedings of the 8th WSCG international conference on computer graphics, visualization and interactive digital media, Czech Republic
(2000) *Pp 120–125*

- 5 Roopashree, S., Saini, S., Singh, R.
Enhancement and pre-processing of images using filtering
(2012) *Int J Eng Adv Technol (IJEAT)*, (5), p. 1. Cited 5 times.
-
- 6 Bedi, S.S., Khandelwal, R.
Various image enhancement techniques—a critical review
(2013) *Int J Adv Res Comput Commun Eng*, 2 (3). Cited 114 times.
-
- 7 Maini R, Aggarwal H (2010) A comprehensive review of image enhancement techniques. *J Comput* 2(3). ISSN 2151-9617
-
- 8 Makandar, A., Halalli, B.
Image enhancement techniques using highpass and lowpass filters
(2015) *Int J Comput Appl*, 109 (14). Cited 73 times.
-
- 9 Kumar DN (2010) Digital image processing for image enhancement and information extraction
-
- 10 Nixon, M.
(2008) *Feature Extraction & Image Processing*. Cited 1011 times.
Academic, Orlando, FL
-
- 11 Kapoor, D., Kumar, M.M., Pant, P.
Automated object recognition from high resolution satellite images: A review
(2014) *Int J Adv Res Comput Eng Technol (IJARCET)*, 3 (12). Cited 2 times.
-
- 12 Thesiya, A.J., Shah, D.U., Kathiriya, P.V., Vasani, G.B., Vyas, J.L.
Image inpainting realization of GUI in JAVA using exemplar method
(2013) *Int Organ Sci Res J Electron Commun Eng*, 4 (5), pp. 07-11.
-
- 13 Tan, Y., Si, T., Li, G., Xiao, M.
An improved detail enhancement method for colorful image via guided image

(2014) *Proceedings of the 11th IEEE International Conference on Networking, Sensing and Control, ICNSC 2014*, art. no. 6819605, pp. 86-91. Cited 3 times.
ISBN: 978-147993106-4
doi: 10.1109/ICNSC.2014.6819605

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14 Chanan, R.
Spatial domain based image enhancement techniques for scanned electron microscope (SEM) images
(2011) *IJCSI Int J Comput Sci Issues*, 8 (4).

15 Naim, N.F., Daud, A.R.B., Yassin, A.I.M.
Graphical User Interface (GUI) for thumbprint image enhancement and minutiae extraction


(2011) *Proceedings - 3rd International Conference on Computational Intelligence, Communication Systems and Networks, CICSyN 2011*, art. no. 6005699, pp. 352-357.
ISBN: 978-076954482-3
doi: 10.1109/CICSyN.2011.80

[View at Publisher](#)

16 Vyas, P., Patel, G.
(2010) *Plaque Identification Using Automated Image Enhancement*
Manipal Center for Information Science

17 Kiran B, Satish Babu J, Ramprasad M, Srikanth D (2013) Implementation of enhanced image processing tool with efficient solutions and comparisons for image smoothing using fuzzy filter. *Int J Innov Res Sci Eng Technol* 2(6).
ISSN: 2319-8753

18 Deorankar, A.V., Chatur, P.N., Mawale, R.S.
Photo vista image processing tool
(2012) *J Emerg Trends Comput Inf Sci*, 3 (10), pp. 1368-1372.

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