

Documents

Hameed, S.A., Nirabi, A., Habaebi, M.H., Haddad, A.

Application of mobile cloud computing in emergency health care

(2019) *Bulletin of Electrical Engineering and Informatics*, 8 (3), pp. 1088-1095. Cited 1 time.

DOI: 10.11591/eei.v8i3.1498

Department of Electrical and Computer Engineering, International Islamic University Malaysia, Malaysia

Abstract

Mobile applications in emergency health care help maintain patient confidentiality and manage patient records, data storage. Compiles and analyzes care of better quality care. new implementations come with new goals and technologies like using mobile application with cloud computing system and reducing the responding time to safe the patient life and give the patient best health care professional service transition to using of mobile application in emergency healthcare, this paper will present (MCCEH) mobile cloud computing in emergency health care model, mainly reducing the wasting time in emergency health care, The process starting once the accident occurred and the patient run the application, mobile application will detect the patient location and allow him to book nearest medical center or specialist in some emergency cases once the patient did the booking will send help request to medical center this process will include an online pre-register patient in the medical center to save time of patient registration, MCCEH model allows the patients to review the previous feedback and experiences of each specialist or medical center and allows doctors to be able to stay in contact with their patients more often and by communication through mobiles applications and share messages and photos of the accident or emergency case itself. © 2019 Institute of Advanced Engineering and Science. All rights reserved.

Author Keywords

Cloud computing; Cross-platform; Emergency; Health care; Mobile cloud computing for emergency healthcare model (MCCEH)

Funding details

International Islamic University MalaysiaIIUM
International Islamic University MalaysiaIIUM

References

- Nirabi, A., Hameed, S.A.
Mobile Cloud Computing For Emergency Healthcare Model:Framework
(2018) *2018 7Th International Conference on Computer and Communication Engineering (ICCCCE)*, pp. 375-379.
Kuala Lumpur
- Chyu, M.C., Austin, T., Calisir, F., Chanjaplammoitol, S., Davis, M.J., Favela, J., Gan, H., Hornero, R.
Healthcare engineering defined: A white paper
(2015) *Journal of Healthcare Engineering*, 6 (4), pp. 635-648.
- Boyd, A., Chambers, N., French, S., Shaw, D., King, R., Whitehead, A.
Emergency planning and management in health care: Priority research topics
(2014) *Health Systems*, 3 (2), pp. 83-92.
- Ebin, J.
Patient safety and quality in healthcare
(2014) *Sagepub Journal, January*, p. 29.
- Latif, M., Lakhrissi, Y., Nfaoui, E.H., Es-Sbai, N.
Cross platform approach for mobile application development: A survey
(2016) *2016 International Conference on Information Technology for Organizations Development (IT4OD)*, pp. 1-5.
Fez
- Alshareef, H., Grigoras, D.

(2015) *"First Responder Help Facilitated by the Mobile Cloud,"*, pp. 1-8.
Marrakech

- Hameed, S.A., Bt Mohd Sharifudeen, S.S., Nuh, N.H., Bt Salim, N.H., Hassan, A., Khalifa, O.
Web-based database and SMS to facilitate healthcare medical emergency
(2011) *In Proceedings of the Fourth Australasian Workshop on Health Informatics and Knowledge Management Australian Computer Society, Inc*, 120, pp. 37-46.
- Shah, C.H., Ismail, I.M., Mohsin, S.S.
Ambulance response time and emergency medical dispatcher program: A study in Kelantan, Malaysia
(2008) *Southeast Asian J Trop Med Public Health*, 39 (6), pp. 1150-1154.
- Rajesh Kumar, D., Manjuppriya, S.
Cloud based M-Healthcare emergency using SPOC
(2013) *2013 Fifth International Conference on Advanced Computing (Icoac)*, pp. 286-292.
Chennai
- Raj, P.H., Jelciana, P., Kumar, P.R.
Exploring data security issues and solutions in cloud computing
(2018) *Procedia Computer Science*, 125, pp. 691-697.
- Almorsy, M., Grundy, J., Müller, I.
An Analysis of the Cloud Computing Security Problem,
- Hanen, J., Kechaou, Z., Ayed, M.B.
An enhanced healthcare system in mobile cloud computing environment
(2016) *Vietnam Journal of Computer Science*, 3 (4), pp. 267-277.
- Dinh, H.T., Lee, C., Niyato, D., Wang, P.
A survey of mobile cloud computing: Architecture, applications, and approaches
(2013) *Wireless Communications and Mobile Computing*, 13 (18), pp. 1587-1611.
- Gunawan, T.S., Mutholib, A., Kartiwi, M.
Design of Automatic Number Plate Recognition on Android Smartphone Platform
(2017) *Indonesian Journal of Electrical Engineering and Computer Science*, 5 (1), pp. 99-108.
- Griffith, C.
(2017) *Mobile App Development with Ionic, Revised Edition: Cross-Platform Apps with Ionic, Angular, and Cordova*, p. 18.
" O'Reilly Media, Inc."

Correspondence Address

Nirabi A.; Department of Electrical and Computer Engineering, International Islamic University Malaysia, Jalan Gonmak, Malaysia; email: nirabi.ali@live.iium.edu.my

Publisher: Institute of Advanced Engineering and Science

ISSN: 20893191

Language of Original Document: English

Abbreviated Source Title: Bull. Electr. Eng. Inform.

2-s2.0-85071392303

Document Type: Article

Publication Stage: Final

Source: Scopus