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IoT Enabled Smart Hospital Management System

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Abstract: Coronavirus disease, also known as COVID-19, is an infectious disease which spreads between humans. The incubation period of coronavirus is on average 5-6 days, but it could also be up to 14 days. During this incubation period, before the person begins experiencing symptoms, the person could be contagious.[1] The virus would spread to the people with whom the infected person is interacting, and this is dangerous. Since the last days of the previous year, the occurrence of novel infectious flu-alike respiratory disease COVID-19 caused by SARS-Cov-2 virus (also known as coronavirus) has affected almost every aspect of people's lives globally. First, it was discovered in China, but spread quickly to other continents in just a few weeks. Until July 11th 2020, the total number of identified cases was 12,653,451, while taking 563,517 lives worldwide.

Keywords: Hospital Management

REFERENCES

- [1]. Coronavirus Update (Live) [online]. Available on: https://www.worldometers.info/coronavirus/, last accessed: 11/07/2020.
- [2]. P Zhai et al., "The epidemiology, diagnosis and treatment of COVIDI9", International Journal of Antimicrobial Agents vol. 55 issue 5, May 2020, 105955, pp. 1 13, 2020. https://doi.org/10.1016/j.ijantimicas.2020.105955
- [3]. P. Dawson et al., "Loss of Taste and Smell as Distinguishing Symptoms COVID19", Clinical Infectious Diseases June 2020, pp. 1-4. 2020. https://doi.org/10.1093/cid/ciaa799
- [4]. L. Morawska, "How can airborne transmission of COVID-19 indoors be minimised?". Environment International vol. 142, September 2020, 105832, pp. 1-7, 2020. https://doi.org/10.1016/j.envint.2020.105832
- [5]. T. Galbadage, B. Peterson, R. Gunasekera, "Does COVID-19 Spread Through Droplets Alone?", Frontiers in Public Health, vol. 8, April 2020, pp. 1-4, 2020. https://doi.org/10.3389/fpubh.2020.00163
- [6]. Coronavirus Incubation Period [online]. Available on: https://www.worldometers.info/coronavirus/coronavirusincubationperiod/, last accessed: 11/07/2020.
- [7]. D. Oran, E. Topol, Prevalence of Asymptomatic SARS-CoV-2 Infection: A Narrative Review, Annals of Internal Medicine, June 2020, pp. 1-7, 2020. 1-7, 2020. https://doi.org/10.7326/M20-3012
- [8]. T Dbouk, D. Drikakis, "On respiratory droplets and face masks", Physics of Fluids 32, 063303, pp. 1-11, 2020. https://doi.org/10.1063/5.0015044
- [9]. Y. Song et al., "COVID-19 Treatment: Close to a Cure? A Rapid Review of Pharmacotherapies for the Novel Coronavirus" [preprint], pp. 1-25, 2020. https://doi.org/10.20944/preprints 202003.0378.v1
- [10]. Open Computer Vision [Online] Available on https://opencv.org. last accessed 07/07/2020
- [11]. N. Petrović, "Upravljanjemultimedijalnisistemompomoćualgoritma za detekcijulicana Raspberry Pl arhitekturi u realnomvremenu", IEEESTEC-8th Student Projects Conference, Niš, Serbia, pp. 21-24, 2015.
- [12]. P. Viola, M. Jones, "Rapid Object Detection using a Boosted Cascade of Simple Features", 2001 IEEE Computer Society Conference on Computer Vision and Pattern Recognition, pp. 511-518, 2001.
- [13]. J. Davies, R. Studer and P Warren, Semantic Web Technologies Trends and Research in Ontologybased Systems, John Wiley & Sons, 2006.
- [14]. A. Venceslau et al., "IoT Semantic Interoperability A Systematic Mapping
- [15]. Study", ICEIS 2019, pp. 535-544, 2019, https://doi.org/10.5220/0007732605350544 [16] N. Petrovic, D. Kocić, "Data-driven Framework for Energy-Efficient Smart Cities", Serbian Journal of Electrical Engineering, Vol. 17, No. 1, Feb. 2020, pp. 4163 https://doi.org/10.2298/SJEE2001041P

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- [16]. Z. Wang et al., "Masked Face Recognition Dataset and Application" [preprint], pp 1-3, 2020. https://arxiv.org/pdf/2003,09093.pdf
- [17]. T Meenpal, A. Balakrishnan, A. Verma, "Facial Mask Detection using Semantic Segmentation", 2019 4th International Conference on Computing, Communications and Security (ICCCS). pp. 1-5, 2020 https://doi.org/10.1109/CCCS.2019.8888092

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