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Robotic IP-Based Surveillance using IOT

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Abstract: *In contemporary world, the word "surveillance" has become increasingly important. Various articles with respect to expanding crime percentage has being eminent day to day, yet can't follow out because of absence of confirmations. . In such a circumstance, one must accompany extreme attention to detail and got with oneself, which can be given by Surveillance. Observation is only checking from a good ways through devices made by hardware, like even robots. IOT (web of things) stage associates these devices so clients can perform tasks with contraptions living anyplace on Earth. This canny security robot utilizing IOT will kept at central issues of home to really take a look at about the presence of any interloper. The camera fixed with robot gives the image of gatecrasher in a 'live-stream' strategy. The Node MCU joined GSM module tells about the presence of gatecrasher when PIR sensor connected to robot distinguishes a human and the bell at the client end begins sound in this way cautioning him against the gatecrasher. Every one of these are controlled, observed and directed under Raspberry pi board. With the given website page that connected to an IP address, one can work this robot by means of portable associated with Internet, which is a critical resource.*

Keywords: Raspberry Pi, esp8266, GSM module, PIRsensor, buzzer, webpage, IP address, Internet.

REFERENCES

[1]. Anas F. Ahmed, Ruaa H. Ahmeed, Tamara Z. Fahdil, "Design and Implementation of Surveillance Robot Using ATMega328 Microcontroller", Iraqi Journal of Information Technology,V.8
[2]. N.4. 2018
[3]. Chinmayi Kulkarni, Suhas Grama, Pramod Gubbi Suresh, Chaitanya Krishna, Joseph Antony, "Surveillance Robot Using Arduino Microcontroller, Android APIs, and the Internet" in First International Conference on Systems Informatics, Modelling and Simulation, 2018.
[4]. G. Anandaravisekhar, A. Anto Clinton, T. Mukesh Raj, L. Naveen, "IOT Based Surveillance Robot", International Journal of Engineering Research & Technology, Vol.7 Issue 03, ISSN: 2278- 0181, March-2018.
[5]. S M Ashish, Madhurya Manjunath, Ravindra L., Mohammed Nadeem, Neelaja K., "Automated Hybrid Surveillance Robot", International Journal of Innovations in Engineering Research and Technology, Vol. 5, Issue 5, ISSN: 2394-3696,May-2018.
[6]. Gaurav S bagul, Vikram C Udawant, Kalpana V Kapade, Jayesh M Zope, "IOT Based Surveillance Robot", International Journal of Trend in Research and Development, Vol. 5(2), ISSN:2394-9333, April-2018.
[7]. Shubham adak, Sagar Bhosure, Priyanka Patil, Dhanasree Kulkarni, "IOT Bsed Surveillance Robot Control System", International Journal of Engineering Science and Computing, vol. 9, Issue No.4, April-2019.
[8]. Mayank Daraskar, Vatan Gupta, Priyanka Kale, Reeta Chopade, Aayush Jaiswal, Prof.Sharadkumar Ghadale, "IOT Based Surveillance Robotic Car Using Raspberry Pi', International Research Journal of Engineering and Technology, Vol. 5, Issue No. 3, March-2018.
[9]. K. Rajkumar, Sharavanakumar, Yuvasree, "Portable Surveillance Robot Using IOT", International Research Journal of Engineering and Technology, Vol. 6, Issue No. 3, March-2019.
[10]. K. Krishnaveni, P. Gopi Krishna, K. Shivani, "Design and Development of Surveillance Robot", Internationl Journal of Innovative Technology and Exploring Engineering, vol. 8, Issue 6, ISSN: 2278-3075, April-2019.
[11]. Sweta Deshmukh, Priyadarshini, Mamta, Madhura Deshmukh, "IOT Based Surveillance robot", 2nd National Conference on Recent Advances in Engineering and Technology, Vol. 5, Special issue 4, June-2017.

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[12]. Dr. Shantanu K. Dixit, Mr. S. B. Dayagonde, "Design and Implementation of e-Surveillance Robot for Video Monitoring and Living Body Detection", International Journal of Scientific and Research Publications, Volume 4, Issue 4, April 2014

[13]. Keerthana.D, Naresh Babu.G, Nivethitha.S.B, Gayathri.K, Leando.I, "Design and Development of Wireless Controlled Surveillance Robot using Iot", International Journal of Recent Technology and Engineering, ISSN: 2277-3878, Volume-8 Issue-3, September 2019.