

Night Patrol Robot

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Abstract: *The project deals with the use of Raspberry pi to survey Smart monitoring systems. These days' video surveillance is important in terms of security. High end cameras are needed in commercial spaces, schools and hospitals, warehouses and other demanding indoor and outdoor environments. Current technologies require expensive and hence the security domain becomes expensive in all, so work on this was needed. The project explains the use of Raspberry Pi, a low-cost single onboard computer. This new technology is less expensive, and is used as a standalone image processing platform in this project. It makes more use of mobile technology. Security systems currently need tons of costly components and a complicated installation process. The proposed system, Raspberry pi, is installed with the night vision camera that helps the system find the intruders and go for the automation. The robot covers a specific area and checks for any intruders when an intruder is detected, the owner is alerted by the email.*

REFERENCES

- [1] M. L. V. N. B. S. Kumar, N. S. Murthi Sarma, Ch. Sridevi, A. Pravin "ARM9 Based Real Time Embedded Network Video Capture and SMS Alerting system."
- [2] Krishna Kishore, B. Chinna Rao, P. M. Francis, "ARM Based Mobile Phone-Embedded Real Time Remote Video Surveillance System with Network Camera," International Journal of Emerging Technology and Advanced Engineering, vol. 2.
- [3] Kavitha Mamindla, V. Padmaja, Ch. Naga Deepa, "Embedded Real Time Video Monitoring System using Arm," IOSR Journal of Engineering, vol. 3.