

Mini-Project Report (2021-2022)

28-05-2022

Department:Computer Science and Engineering Year/Dept/Section: II/CSE/C

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| **1.** | **Name of the Project Mentor: Gowri.S** | | | **Designation: M.E** |
| **2.** | **Batch No: 40** | | | |
| **Roll Number** | **Student Name** | | |
| 20CS125 | Shakthi Kiran R | | |
| 20CS149 | Surjith Raja A | | |
| 20CS310 | Tejashwin S | | |
| 20CS306 | Naveen Kumar G | | |
| **3.** | **Project Title:** | **Smart Security** | | |
| **4.** | **Field / Thrust Area: Artificial Intelligence and Machine Learning** | | **5.** | **Total Budget (**http://www.blogcdn.com/www.coolage.in/media/2011/06/rupee-symbol.jpg**): 500** |
| **6.** | **Abstract of the Innovative project report:**  In this 21st century, new technologies are emerging to make our life easier. Security plays an major aspect in each and every field nowadays. Anywhere from small personal space to a huge commercial area, security plays an essential role.  Smart surveillance, is the use of automatic video analysis technologies in video surveillance applications.  This is a python GUI application which can run on any operating system, uses webcam and has number of features which are not in normal CCTV, discussed in detail below.  It got nice GUI and every button is supported by using beautiful icon.  **Monitor** – allow to detect what thing is stolen from frame  **Noise** – Finds the motions in the frame  **Record** – Simply records and stores. | | | |
| **7.** | **The importance and benefits of the innovative project to the society:**  In a standard security monitoring system, at least one guard must keep an eye on the monitors for any suspicious activity or any breach in a restricted space. And that too is not 100% efficient.  So we make the system to take decision and send alert to the customer in case of any threat.  We can move to some advanced technologies which has sense to respond. That is simply we could move to a Security camera which alerts when there is some threat. This doesn’t need a human to monitor 24x7.  This is a Project built using latest Programming Language and highly evolving Computer Science field which is “Computer Vision”. Which means this project allow computer to watch or in other words it gives vision capability to computers. | | | |
| **8.** | **Block Diagram / Circuit Diagram / Process Flow diagram:** | | | |
| **9.** | **Paste photographs of the project here:** | | | |