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| Book Name: | **Innovative Solutions: A Systematic Approach Towards Sustainable Future** |
| Manuscript Number: | **Ms\_BPR\_** **3724.34** |
| Title of the Manuscript: | **Suspicious Activity Detection System Using Machine learning** |
| Type of the Article | **Complete Book chapter** |

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| PART 1: Review Comments | | |
| Compulsory REVISION comments | Reviewer’s comment | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.** | **This manuscript is valuable to the scientific network because it addresses a important problem in contemporary security systems: the want for efficient and clever video surveillance. By leveraging AI and system studying, particularly CNNs and LSTMs, the manuscript proposes a robust technique to automating the detection of suspicious activities in actual-time, enhancing the effectiveness of CCTV structures. The integration of novel strategies like SHMOV and the use of deep gaining knowledge of for anomaly detection gift interesting improvements in the field of clever surveillance. The practical implications, such as reducing manual intervention and improving security response times, make this work particularly relevant.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **YES** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **Yes.** |  |
| **Are subsections and structure of the manuscript appropriate?** | **Yes, the subsections and structure are appropriate, providing a logical flow from introduction to methodology and results.** |  |
| **Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.** | **This manuscript is scientifically robust and technically sound, as it integrates advanced machine learning techniques, specifically CNNs and LSTMs, to address real-world problems in video surveillance. The use of AI for automating anomaly detection and the application of deep learning for feature extraction ensures a sophisticated approach to security monitoring. Additionally, the manuscript demonstrates a strong understanding of relevant technologies, such as background subtraction and object detection, while applying them in a practical context with well-established methods. The integration of real-time alerting systems further enhances the practical viability of the proposed solution, making it both scientifically and technically reliable.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Yes, it looks sufficient.** |  |
| Minor REVISION commentsIs the language/English quality of the article suitable for scholarly communications? | The English language quality is suitable. |  |
| Optional/General comments |  |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

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| Reviewer Details: | |
| Name: | **Hirenkumar Mistry** |
| Department, University & Country | **USA** |