

Review Form 3

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_130465
Title of the Manuscript:	Exploring the Integration of Deep Learning in CCTV Systems for Enhanced Security Measures in Academic Libraries.
Type of the Article	Research Article

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	The authors mention the use of CTV footage taken from library for over a period of 8 months for understanding user activity at library. YOLOv4 algorithm explored for learning patterns of library usage. Various analysis with respect peak occupancy hours and other aspects is presented.	Thanks for the comments
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	Thanks for the comments
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.	Why only YOLOv4 is explored should be explained. Why R-CNN and other techniques are not explored should be explained.	Ok noted and revised
Is the manuscript scientifically, correct? Please write here.	Authors should provide a block diagram of the proposed system and the stages in how input is taken and processed for obtaining the desired output. How conclusions are gathered and depicted as Figure 1 lacks justification. Figure 2 and 3 claim and depict improved security parameters such as Resource optimization, proactive monitoring, real time threat detection, regulations, user privacy, real – time processing. These terms should be explained and how it is measured should be defined mathematically as well. The mathematical and theoretical model of YOLOv4 should be explained as well. Scalability is mentioned, however the context with library access lacks explanation. A case study about the security with respect to unauthorized access should be tested as well. Why learning the need of library occupancy pattern is useful has to be explained.  Why only YOLOv4 algorithm was chosen for this study? A comparative study with other techniques should be explained as well.	Noted and revised
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	More papers on object detection should be explored.	OK

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Is the language/English quality of the article suitable for scholarly communications?	Yes but literature review with respect to how the algorithm functions is missing.	Yes noted
<u>Optional/General</u> comments	The authors discuss how YOLOv4 can detect user behaviour and activities through a CCTV footage. The results as graphs is provided with analysis. However how the model functions is missing and neither is any explanation provided on the stages of the system flow. Performance evaluation lacks explanation as term are not defined and rather understood as already know to user. The authors must knit the flow of the paper more effectively for better comprehension.	Ok

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?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	