

Journal Name:	Journal of Basic and Applied Research international
Manuscript Number:	Ms_JOBARI_12277
Title of the Manuscript:	Building an Automatic Controlled Smart Feral Cat Shelter Using a Microcontroller Arduino Mega
Type of the Article	Original Research Article

PART 1: Review Comments

Compulsory REVISION 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 few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.	This manuscript offers a significant contribution to animal welfare and the use of technology for social causes by presenting an IoT-based smart shelter for feral cats, demonstrating an innovative approach to enhancing the lives of these animals. It utilizes affordable and accessible technology, such as Arduino Mega and sensors, to automate essential services like temperature control, and food and water delivery. The detailed experimental setup and the system's effectiveness are well documented, making it a valuable model for similar initiatives. However, the manuscript could benefit from discussing the challenges of deploying these shelters in different environments and the long-term sustainability of the system to provide a more comprehensive view of its practical applications.	
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 addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract of the article is comprehensive but could be improved by clarifying the problem statement, highlighting the technological innovations more precisely, adding a sentence about the potential impact on the feral cat population, and mentioning future directions or scalability. These additions would make the abstract more detailed and impactful.	
Are subsections and structure of the manuscript appropriate?	Yes, the subsections and structure of the manuscript are appropriate. They effectively cover the introduction, experimental methods, results, discussions, and conclusions, providing a clear and systematic exploration of the project.	

	<p>However, ensuring that each section is detailed and aligns well with the overall flow of presenting the problem, methodology, findings, and implications would further strengthen the manuscript.</p>	
<p>Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound? Minimum 3-4 sentences may be required for this part.</p>	<p>The scientific correctness of this manuscript is supported by its detailed experimental design, use of well-documented technology, and rigorous testing protocols. The use of Arduino Mega and various sensors is technically sound, and their applications are well-explained, demonstrating the shelter's functionality under different conditions. Additionally, the manuscript presents data analysis, including regression analysis and sensitivity calibrations, which adds to its scientific robustness. These elements suggest that the study is well-conceived and executed with appropriate technical and scientific rigor.</p>	
<p>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. =</p>	<p>The references provided are sufficient and include a mix of recent and relevant sources that support the technological and ecological aspects of the study. However, adding references from peer-reviewed journals on similar IoT applications in animal welfare or environmental studies could strengthen the manuscript's credibility. Also, including more recent studies on the impact of technology in wildlife management or urban ecology would enhance the current reference list's depth and relevance.</p>	
<p><u>Minor REVISION</u> comments</p> <p>Is language/English quality of the article suitable for scholarly communications?</p>	<p>Minor Revisions, Typos, Gramaticall errors to be rectified</p>	
<p><u>Optional/General</u> comments</p>		

PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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