**ANALYZING A JOURNAL ARTICLE 3**

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JOURNAL ARTICLE TITLE: Distributed Intrusion Detection System using Blockchain and Cloud Computing Infrastructure.

**Step 1. What is the purpose/hypothesis/aim/objective of the study?**

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| a. Write down the exact statement in which the  authors describe what they were testing. (Hint:  This information may be provided in the article as  a purpose statement or as a hypothesis). Include  quotation marks around the exact wording, and  indicate page number(s). | “This paper proposes the development of Distributed Intrusion Detection System (DIDS) using emerging and promising technologies like Blockchain upon a stable platform like cloud infrastructure.”(Page number:248) |
| b. Now describe the purpose of the study (as you  understand it) in your own words. | The paper focusses on cloud computing infrastructure to solve intrusion problem. |
| c. What was the “gap” in the research that the  authors were trying to fill by doing their study? | Development in many other technologies and newly emerging techniques always opens the doors of opportunity to add a sharp edge to IDS and to make it more robust and reliable.(The author makes use of cloud technology here). |

**Step 2. What is/are the major finding(s) of the study?**

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| a. Make some notes about the authors’ major conclusions or findings as written in the article.  Include quotation marks whenever you use their exact wording, and indicate page number(s). | **“**In this paper, we have presented the architecture of the Distributed Intrusion Detection System using Cloud Computing Infrastructure and Blockchain. We have shown the performance of the DIDS server with a varying load of data.”(Page number:251) |
| b. Now write those conclusions (as you  understand them) in your own words. | The paper discussed the various wireless intrusion detection system and analysis the performance and listed the wireless system in detection rate. |

**Step 3. How did the authors test their hypothesis?**

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| a. Briefly summarize the main steps or  measurements that the authors used in their  methods. Try to explain in your own words as  much as possible. | 1)BLOCKCHAIN-BASED INTRUSION DETECTION.  2)Incident Analysis with DIDS |
| b. Do the authors suggest any problems or  limitations with their methodology? Do you see  any problems or limitations with their  methodology? | There are many other issues like communication delay, the overhead of blockchain, cost of implementation, etc. which has to be discussed and analyzed. |
| c. How did the authors analyse their data? What  test/s did they use? | 1)Analysis unit.  2)Monitor unit |

**Step 4. How reliable are the results?**

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| a. Do the authors suggest any problems with the  study that could lead to unreliable results? | The limitation of this technique is that it will not be able to detect a novel attack, as a signature will not be available. |

**Step 5. Based on your analysis, are the claims  made in this journal article accurate?**

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| a. Do the conclusions made (about the results) by  the author make sense to you? Are the  conclusions too broad or too narrow based on  what was actually done in the study? | Yes the conclusions make sense and too broad. |
| b. Based on the accuracy of the methodology and  the reliability of the results as described in Steps 3  and 4, do you think the conclusions can be  believed? | Can be believed. |

**Step 6. What is the importance of this scientific work?**

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| a. Write (in your own words) the significant  contributions of the experimental work in this  journal article as reported by the authors. | The authors tried to experiment Distributed Intrusion Detection System using Blockchain and Cloud Computing Infrastructure. |
| b. Re-read your notes and explain why you think  this is  o a strong or weak scientific article  o a strong or weak scientific study | It is a strong scientific study and strong strong article. |