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| Journal Name: | [**Current Journal of Applied Science and Technology**](https://journalcjast.com/index.php/CJAST) |
| Manuscript Number: | **Ms\_CJAST\_139672** |
| Title of the Manuscript: | **EVALUATING COST-BENEFIT IMPLICATIONS OF AI-DRIVEN PREDICTIVE ANALYTICS FOR ENVIRONMENTAL COMPLIANCE AND SUSTAINABILITY IN OIL AND GAS REFINERY OPERATIONS** |
| Type of the Article |  |

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| PART 1: Comments | | |
|  | Reviewer’s comment | **Author’s Feedback** (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. A minimum of 3-4 sentences may be required for this part.** | **The article is very suitable for understanding the technology implementation impact on oil & gas refineries, specifically on cost reduction & sustainability. The review paper has brought out various aspects from the existing literature in a structured manner.** | Nil |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes** | Nil |
| 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** | Nil |
| Is the manuscript scientifically, correct? Please write here. | Yes | Nil |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Yes | Nil |
| Is the language/English quality of the article suitable for scholarly communications? | Yes , need grammatical correction at few places | Nil |
| Optional/General comments |  |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s Feedback** (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)* |  |