Checklist (specifics) for writing a TECHNICAL paper

(for internal consumption only)

1. **Compare with state of the art (preferably with at least, 2 published works); must have the best performance.** ☐

2. **Novelty, in terms of new/ modified/ extended**
   - **Analytical solution and/or criteria function** ☐
   - **Feature** ☐
   - **Classifier** ☐
   - **Flowchart/ algorithm** ☐
   - **Combination of any of the above three** ☐
   - **Processing time** ☐
   - **Visual effects: in visualization and visual realism** ☐

3. **Highlight modification/extensions of analytics (governing equations) with respect to that published earlier; submit and make presentation.** ☐

4. **List of symbols and equations drafted separately.** ☐

5. **Contributions of the work have to be told upfront, explicitly; the reviewer should not look for that. Re-iterate that in the abstract, intro, and conclusion sections.** ☐

6. **Motivation of the proposed work.** ☐

7. **The main result is put before auxiliary/additional results, which reflects title/aim of paper.** ☐

8. **Any spelling or grammatical errors?** ☐

9. **Very good organization and flow of the paper.** ☐

10. **Am I plagiarizing? +State Turnitin (%) Score. _____** ☐

11. Analytical justification of the proposed method. ☐

12. **Technical Presentation immediately before/after deadline** ☐

13. Literature review should not miss recent and most cited ones. ☐

14. Detail description of method, experimental setup and analysis of results. ☐

15. List of heuristic threshold parameters (must be bare minimum) used in experimentation. ☐

16. Check that all expressions and analytics are syntactically correct (e.g. no conflict of symbols, no undefined symbols; etc.) Any theory or analytics missing in entire document? ☐

17. Proper acknowledgement of code/data sets (use recent ones) used in the paper. ☐

18. Have you (i) used more than one benchmark (latest) datasets and (ii) provided better (in general) performance (clear winner, preferable) than more than one of the latest S.O.As, published in the recent past (last 2 years max). ☐

19. Diagrams are clear and well-illustrated. Axis labels, figure caption text, markers, legends are clear and legible. Figure is well explained in text and document. ☐

20. Is the problem statement concise and clear, along with assumptions made, if any? ☐

21. Are all my citations accurate and in correct format? ☐

22. Due credit given as co-authorship and acknowledgement. ☐

23. Arguments presented in a logical sequence? ☐

24. Each paragraph starts with a proper sentence of the topic/matter discussed? ☐

25. Arguments are supported with documented proof or examples? ☐

26. Are there any unfinished sentences? ☐

27. Any unnecessary things (word, phrases, sentences) written? ☐

28. Have you shown a real-world application? ☐

29. All figures, tables, equations referred in text. ☐