

ASSESSMENT 1: MOCK MANUSCRIPT

Description: For this task, you will be required to write a short *review paper* on a topic of your choice, related to the field of AI (such as object detection, instance segmentation, machine learning, computer vision, etc.) This can be done either *individually* or in a group of *maximum three* students. This mock paper should be *4-5 pages* long (excluding references) at max 5 page and include the following:

- ✓ **Title (2 points):** Short and informative. Ideally 8-12 maximum words long.
- ✓ **Keywords (1 point):** Include 3-5 keywords relevant to your review.
- ✓ **Abstract (3 points):** Must include motivation, problem statement, approach, results and conclusion. Should be 100-180 words max.
- ✓ **Introduction (4 points):** What problem are you investigating and why is it relevant? What current approaches exist? What are the contributions of your paper? Max one page (including half page for related works).
- ✓ **Method (4 points):** Which models have you chosen to compare and why? Describe how your comparison is conducted (datasets, evaluation metrics, etc.) and include any relevant implementation details. Should be one page max.
- ✓ **Results (4 points):** Compare the performance of the different models. One page max.
- ✓ **Discussion (3 points):** Analyze your results and discuss their relevance. Highlight any trends (e.g. backbone, type of training, etc.) noticed in the best-performing models and discuss any limitations/future directions. Should be no more than two paragraphs long.
- ✓ **Conclusion (3 points):** Summary of study. Restate motivation and problem statement and provide any relevant results/observations. May include sentence on future directions if relevant. Should be one paragraph (<250 word).
- ✓ **Tables and Figures (3 points):** Include 3-5 relevant figures and 1-3 relevant tables, with appropriate captions.
- ✓ **References (2 points):** Include 10-50 relevant references. These should be listed following the IEEE referencing style: <https://ieeauthorcenter.ieee.org/wp-content/uploads/IEEE-Reference-Guide.pdf>.
- ✓ **Clear Writing (3 points):** Manuscript should be written in a clear and concise manner with logical flow and minimal grammar/spelling mistakes.
- ✓ **Proper Formatting (3 points):** Care should be taken to presentation and formatting. The paper must be written in *Times, 10-point, single-spaced* type (with titles in 12-point font). All text must be in a two-column format. Columns must be *8.25 cm wide*, with a *0.8 cm space* between them. Please use *A4 paper* with margins of *1 cm* on all sides.

The mock manuscript carries a weight of 35 points.

Submitting the Assessment: The report must be submitted as a PDF to the CRM nexus Mock Manuscript Assignment. The deadline for submission is **7 November 2021 at 12:00 AM (midnight) GST**. Late submissions will be penalized by a reduction of **5 points**.

Plagiarism: Using text or ideas that are not your own without properly crediting the source is considered plagiarism and is against school policy (allowed limit maximum 18%). This will result in a grade of “F” for the assessment.