

Statements of Individual Contributions

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Abstract

This document details the individual contributions of each group member to the outcome of the group project, benchmarking our algorithm 'Indicator-Based Selection in Multi-objective Search' with the COCO platform. It also includes an anti-plagiarism phrase that needs to be signed by every group member.

1 Individual Contributions to the Group

1.1 Amal TARGHI

- Made research in order to better understand our algorithm and all the concepts related to it. - Tested the code and generating datasets. - Participate in the redaction on the intermediate and final report.

1.2 Anh Khoa NGO HO

- Research about the algorithm. - Implemented the functions (Binary tournament selection, Environmental selection, Fitness assignment, Recombination, Mutation). - Generate datasets. - Participate in the redaction on the intermediate and final report: description of the algorithm and compare it to the other algorithms.

1.3 Bach Trong VU

- Research related to the paper. - Testing the code, reporting bugs with suggestions. - Generate datasets. - Participate in the redaction on the intermediate and final report.

1.4 Fella BELKHAM

- Reading about evolutionary algorithm, their operators and COCO platform. - Run test on the code with multiple parameters. - Generate datasets. - Participate in the redaction on the intermediate and final report.

1.5 Mahmut CAVDAR

- Research multiobjective optimization. - Explor COCO plateform. - Run test and optimze the code written by my colleague. Reimplementation of recombination. - Generate datasets. - Participate in the redaction on the intermediate and final report.

2 Anti-Plagiarism Statement

All group work, be it the source code, the documentation, the report, the presentation, or any other contribution have been solely written by the group members or corresponding reused parts have been cited accordingly. We, the group members, confirm herewith as well that we all have read and understood the “What is plagiarism” page of <http://www.plagiarism.org/plagiarism-101/what-is-plagiarism/>.

The image shows five handwritten signatures in black ink, arranged horizontally. From left to right: 1. A stylized signature that appears to be 'MF'. 2. A signature that looks like 'MQ'. 3. A signature that reads 'Anh Khoa' in a cursive script. 4. A signature that appears to be 'Bui'. 5. A signature that appears to be 'Bui' with a large, bold 'X' or 'B' over it.