

## CONSISTENCY REPORT

### Introduction:

The code presents a course assignment algorithm for Elective (EL) and Core Discipline Courses (CDC). This report assesses its consistency, clarity, and robustness.

### Structure and Readability:

The code adopts a modular structure with clear function names and concise comments, promoting readability. Variable names are meaningful, aiding comprehension.

### Error Handling:

Thoughtful exception handling addresses scenarios where CDC course weightages are all zero, enhancing code robustness and providing informative error messages.

### Reusability and Modularity:

The code displays modularity by separating CDC and Elective assignment logic into distinct functions. Recursive design facilitates adaptation for future requirements.

### File Input Processing:

While the code reads input data from external files for flexibility, there's room for consolidation in file reading logic for CDC and Elective courses, improving maintainability.

### Coding Style:

Consistent coding style, including indentation and spacing, aligns with best practices for collaborative development and future maintenance.

### Conclusion:

The code demonstrates commendable consistency, readability, and error handling. Its modular design and adherence to coding style contribute to maintainability. A minor suggestion for file input processing consolidation aims to further enhance code elegance and reduce redundancy.

