CSABA SCHNEIDER (UFMG), IGOR LIMA (UNB)
An Introduction to Computer Algebra with GAP

The objective of this mini-course is to solve some Computational Algebra problems using the GAP system (https://gap-system.org). The problems will be solved through projects that participants can freely choose. The projects involve the programming language of the GAP system and algebraic structures such as groups, rings, fields, and algebras. There will be assistance from the instructors. No programming knowledge is required, but if participants have some experience with any programming language or basic knowledge of algebraic structures, it will facilitate participation.

Reference: https://www.gap-system.org/