

## ABSTRACT

Expert system is a much discussed topic today both in the popular press and in the technical manuals. There is a widespread feeling that it is likely the expert systems that will become crucial agents of industrial change, transforming processes and changing the lives of millions.

This study aims to explore the application of expert systems, a field of Artificial Intelligence in mathematical problems specifically in Algebra. The system is capable of creating lectures, examinations, interactive activities with quick results.

Functionality, content, reliability, availability, maintainability, and acceptability of the system were evaluated during the system evaluation. The developed system was rated as excellent and proved that using this will mean an ease in teaching and students will become more interested in studying numbers.