

# IMPLEMENTATION OF Z ANALYSIS TOOL RECOGNIZING DEFINITION OF GENERIC NOTATIONS FOR SCHEME DEVELOPMENT

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## ABSTRACT

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The objective is to accommodate the advantages of formal method approach and dilute the disadvantages of it, by amicably arranging a cordial approach between human perceptions (users, analysis) and technical employment (specification designers) using formal method. Hence the selection of user's perceptions over existence of data and the relations existing between its sets is analyzed. Suitable formal method tools like appropriate symbology (Z notations), rules of set theory, relations and functions are employed to construct specification design as generalized preliminary approach using generic notations and basic schema design. The system plans to include the rules of formal method using Z notation is designed. The basic requirement to initiate the format method system is designed a (user input). The rules selected by the user is structured and defined as system requirements. The system can implement the rules selected and it can generate basic syntactic notations (generic notations) fully and partially. Later at completion it can avoid many errors of notations as well. This phase of automatic conversions can avoid many errors of shadow knowledge in formal methods, easily understood and followed by user groups like students, lecturers and software developers.