

**DEVELOPING A PROFILE TO IMPROVE COMPETITIVENESS IN
DEBATING OF UNDERGRADUATES WITH MATHEMATICAL LOGIC**

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Competing lies in the heart of every debate and it can be considered useful for the undergraduates of the degree programme in specialization of Human Resource Management. In recent years one trend has been to argue that it is necessary to intervene 'strategically' in such debating competitions. Educators seeking to develop thinking skills would likely consider their efforts largely successful if students became proficient in advancing, critiquing, and defending claims in reasoned discussions with peers. The proof of a good debate lies in the skills of the debaters to convey their message to present their arguments convincingly and to rebuild the arguments of their opponents in a logical and persuasive way. Oral mathematical communication can be used as a tool to communicate effectively in such debating process. Our work is to motivate the management undergraduate students by providing strategies for debating competitions with the connection of mathematical logic reasoning concepts. The research was a qualitative study. Participants were selected from final year students of BBM Honours in Human Resource Management undergraduate programme at Vavuniya Campus who are involved in debate competitions. Data was collected through in-depth interviews. The transcribed data was translated into mathematical language based on the theoretical framework of oral mathematical communication. Finally, the study developed an algorithm for the demonstration of debate competition by mathematical logic reasoning.

Keywords: *Argument, Debate, Mathematical logic, Oral mathematical communication, Debating strategies*