

**DEVELOPMENT OF EXPERT SYSTEM FOR DIAGNOSING THE
UNUSUAL BEHAVIOUR OF MULTIPLE CATEGORIES OF EATING
DISORDER PATIENTS IN GEN Z USING CERTAINTY FACTOR METHOD**

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ABSTRACT

The increasing prevalence of eating disorders among Generation Z necessitates advanced diagnostic tools to identify and address these issues effectively. This research focuses on the development of an expert system that leverages the Certainty Factor method to diagnose unusual behavior across multiple categories of eating disorders specifically within the Gen Z demographic. The system aims to enhance early detection and provide accurate diagnoses by incorporating a wide range of symptoms and behavioral indicators. The Certainty Factor method allows for handling uncertainty and partial truths, making the system robust and reliable. Preliminary results indicate that the expert system significantly improves diagnostic accuracy compared to traditional methods, offering a valuable tool for healthcare providers in managing and treating eating disorders among young individuals.

Keywords : Expert system, Eating Disorder, Certainty Factor