

# Non-Repeating, Normalized Questionnaire Sets Generation and Rendering Based on A Parsed Input Domain with Cryptographically Enforced Secure Access

**Dr V Dhanakoti, V Aadithya, S Amutha Varshini, V Bakkiyalakshmi**

Department of Computer Science and Engineering  
SRM Valliammai Engineering College, Chennai, Tamil Nadu, India  
dhanakoti.cse@valliammai.co.in, aaditya.viswanathan@gmail.com,  
amuthavarshini2003@gmail.com, bakkiyalakshmi428@gmail.com

**Abstract:** *This project introduces a novel approach to questionnaire generation and rendering, ensuring non repetition, normalization, and secure access control. Traditional methods often suffer from redundancy and lack of security measures, leading to compromised data integrity and confidentiality. Our solution employs a meticulously parsed input domain, where questions are intelligently selected to avoid repetition and maintain a balanced distribution across different domains of inquiry. Furthermore, normalization techniques are applied to standardize the questionnaire structure, enhancing comparability and analysis. To ensure data security and privacy, the system leverages cryptographic techniques to enforce secure access controls. This includes robust authentication mechanisms, data encryption, and integrity verification, safeguarding sensitive information throughout the questionnaire lifecycle. The implementation of this project not only improves the efficiency and reliability of questionnaire generation but also addresses critical concerns regarding data security and privacy. This approach has significant implications across various domains, including research, healthcare, and customer feedback systems, where accurate data collection and confidentiality are paramount.*

**Keywords:** questionnaire generation

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