

# Smart Scheme Navigation System for Tamil Nadu Government Schemes

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**Abstract:** *Government schemes often lack awareness and accessibility due to complex eligibility criteria and manual processes. This paper presents an AI-powered chatbot developed using Natural Language Processing (NLP) techniques to assist citizens in understanding and applying for Tamil Nadu government schemes. The chatbot utilizes Python with Flask, integrates NLTK and BERT for NLP, employs TensorFlow for machine learning-based recommendations, and uses MySQL for data storage. By offering text and voice-based interactions in Tamil and English, the chatbot enhances accessibility, automates eligibility verification, and simplifies application tracking. This innovation aims to bridge the gap between government services and citizens, ensuring transparency and efficiency.*

**Keywords:** AI-powered chatbot, government schemes, NLP, machine learning, citizen engagement